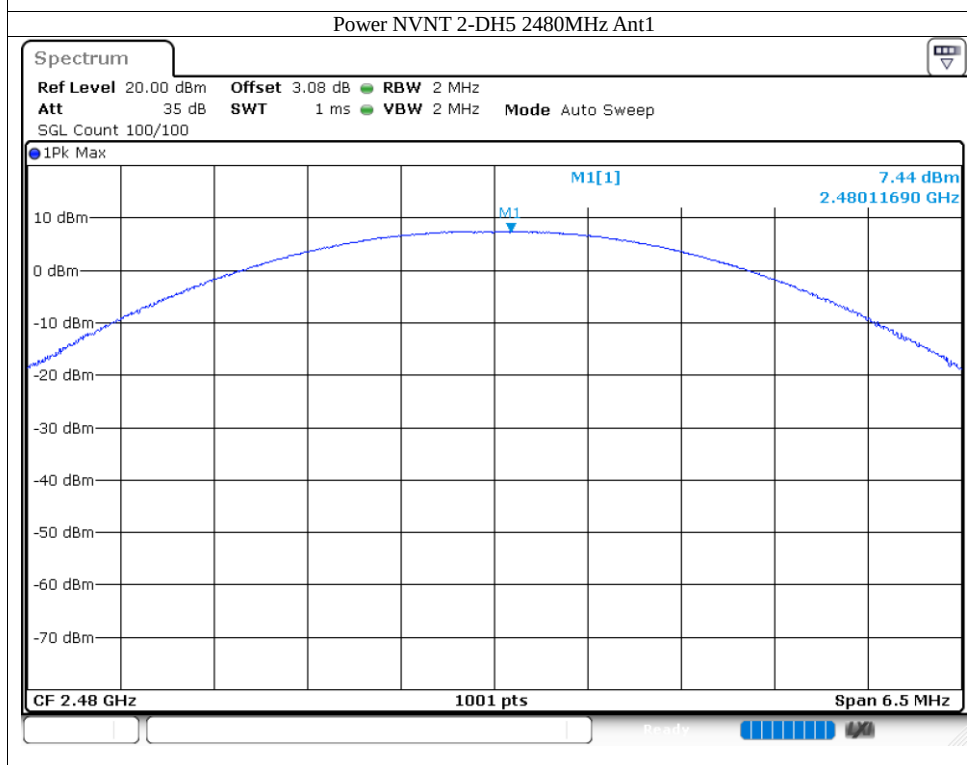
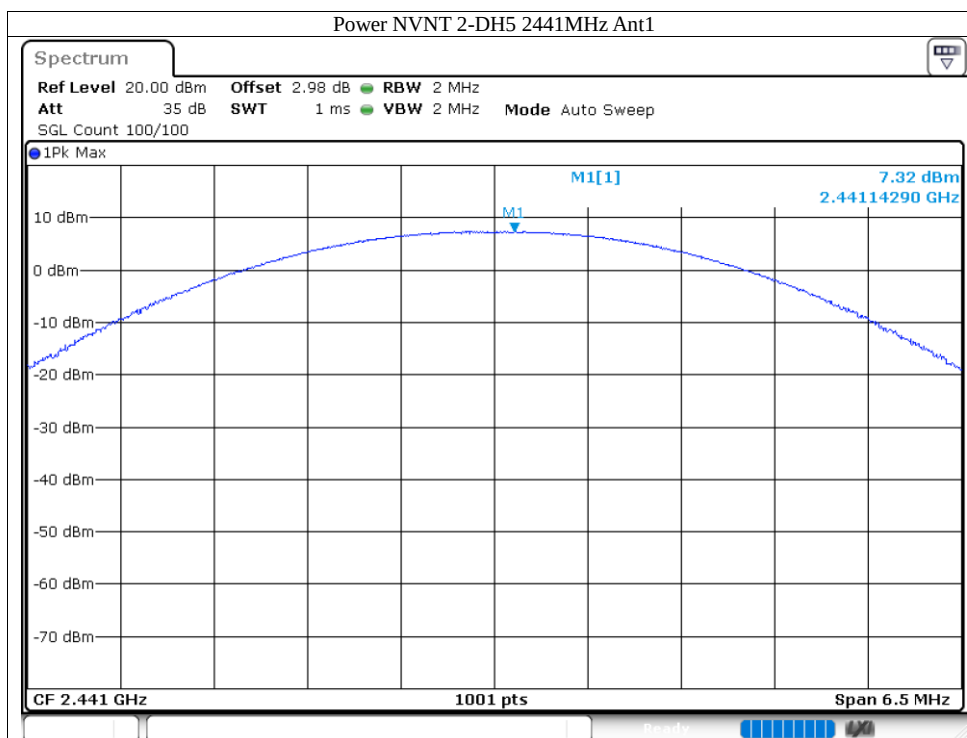
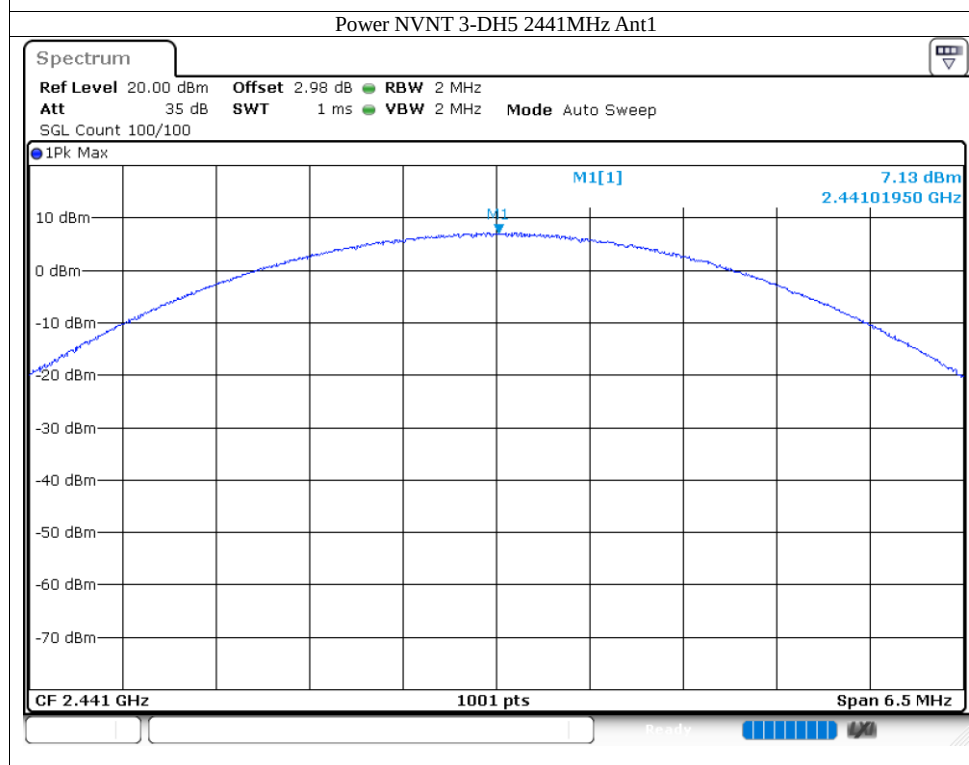
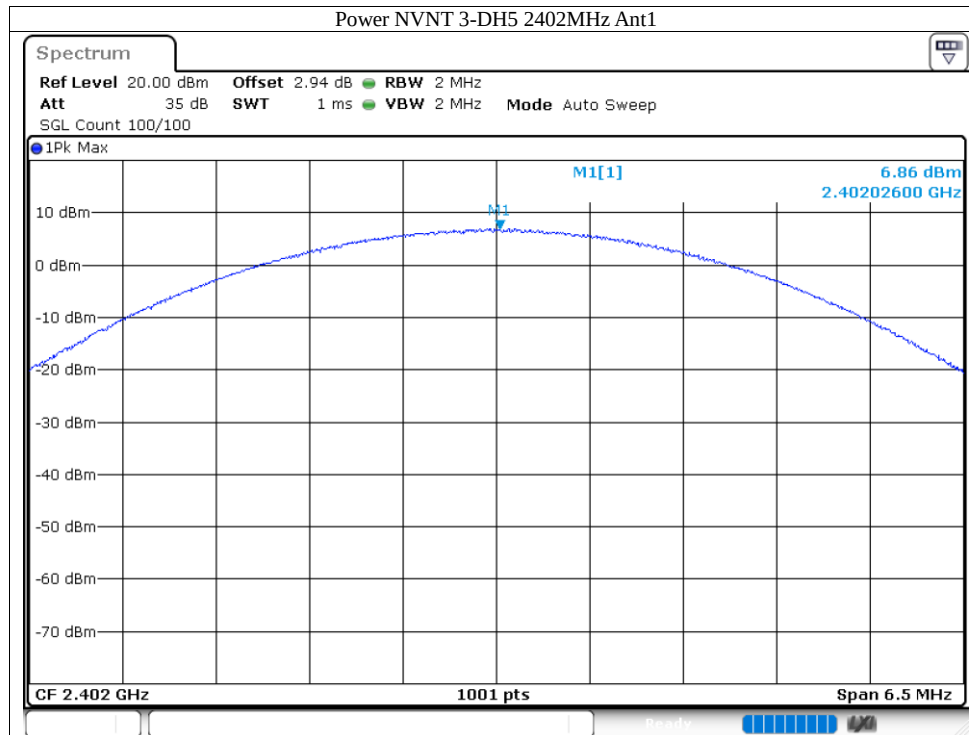
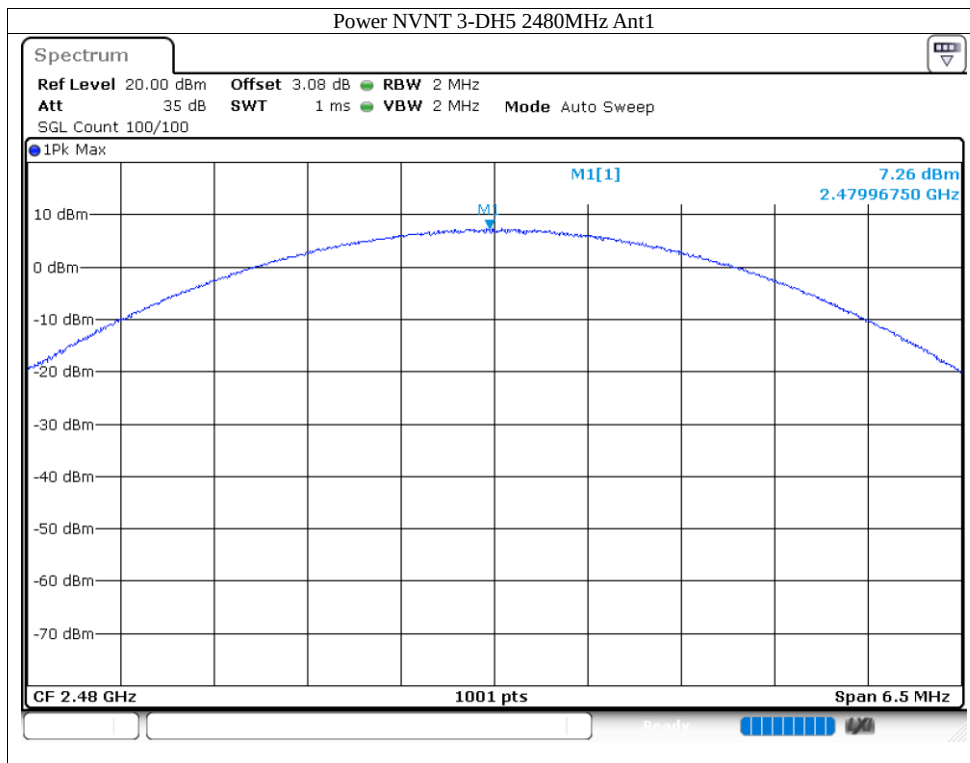




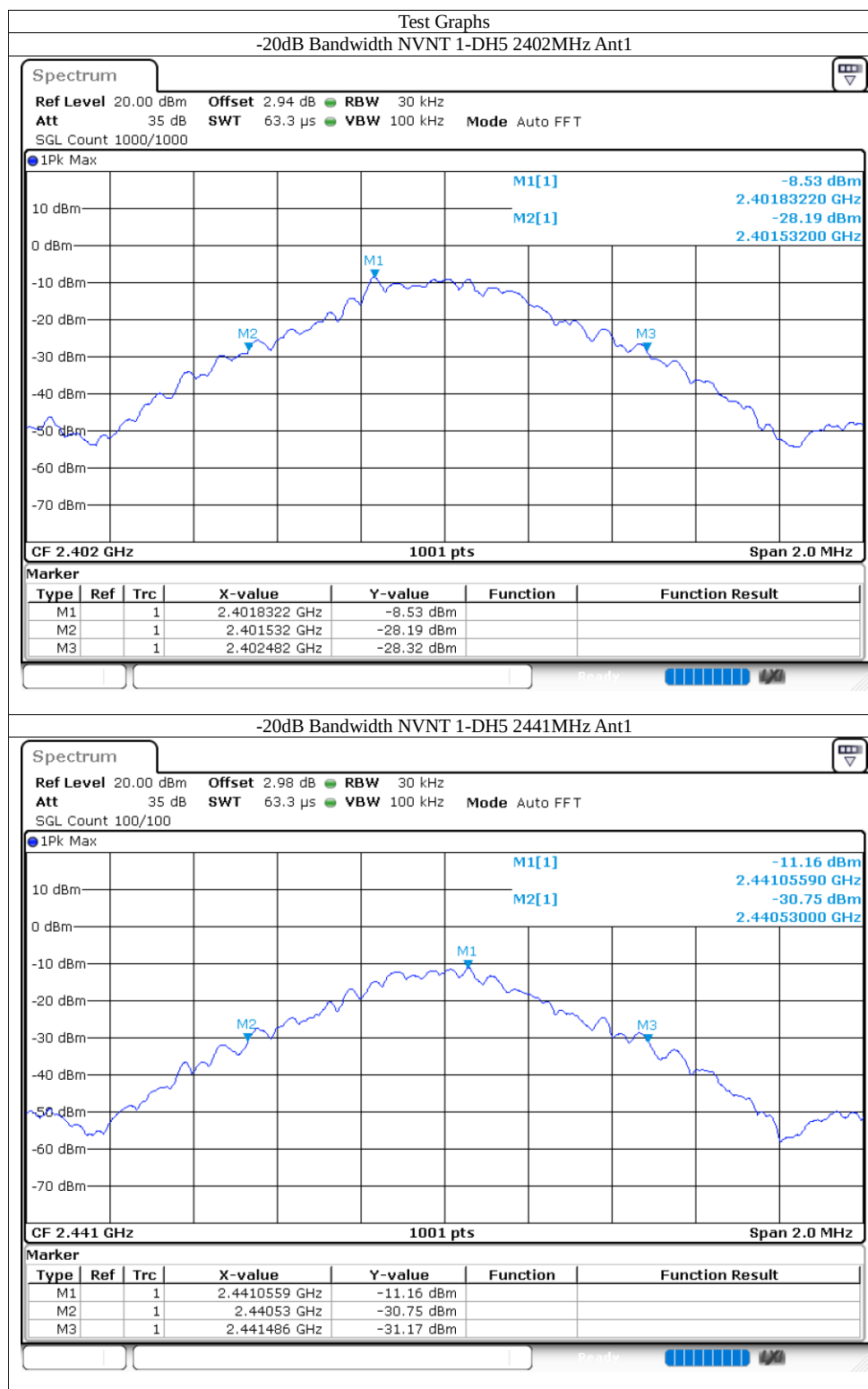


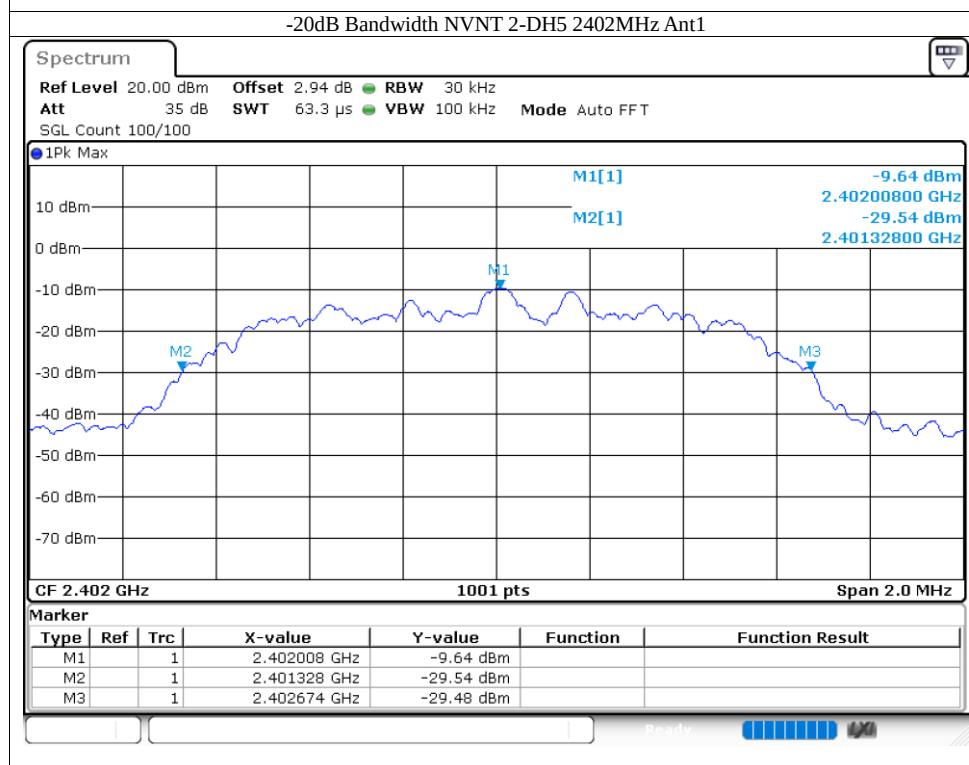
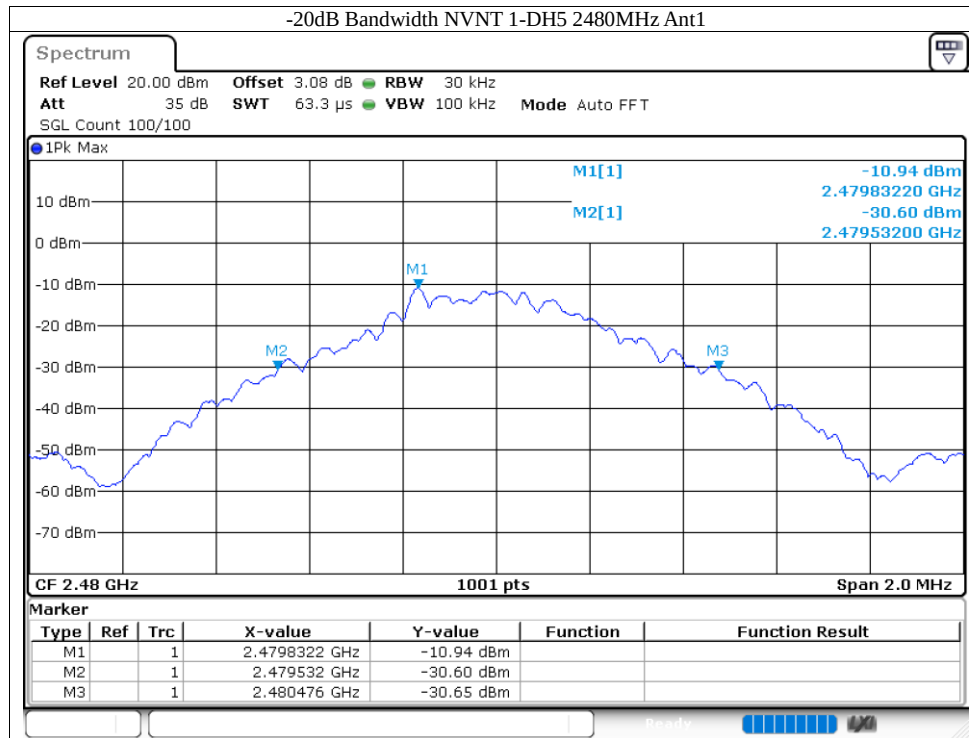


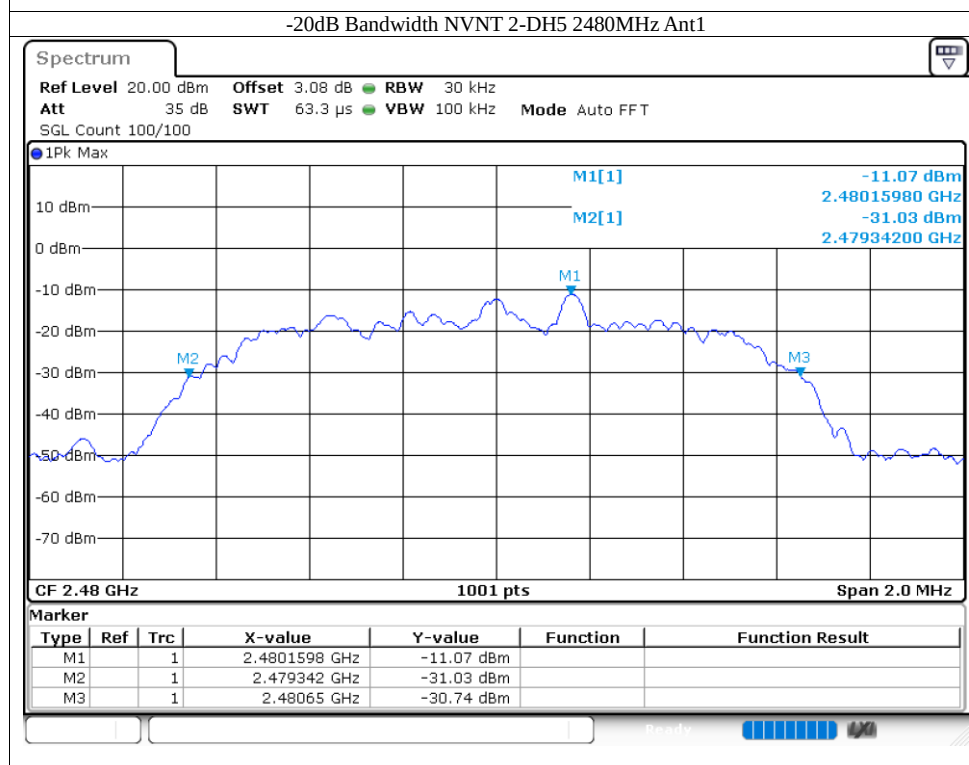
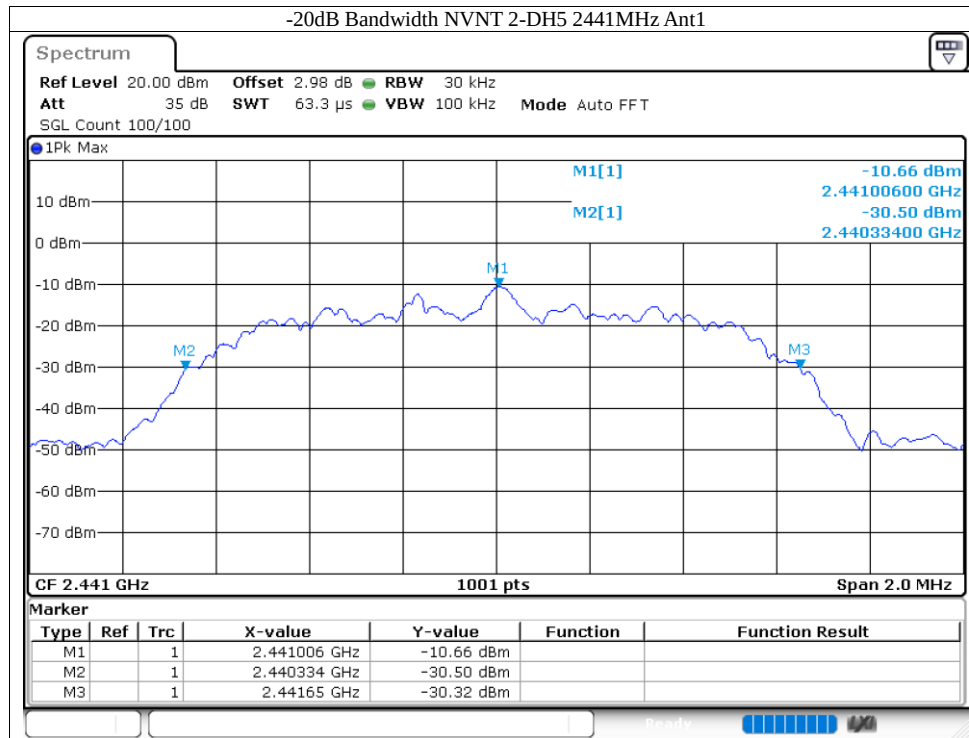
### 8.3 -20dB BANDWIDTH

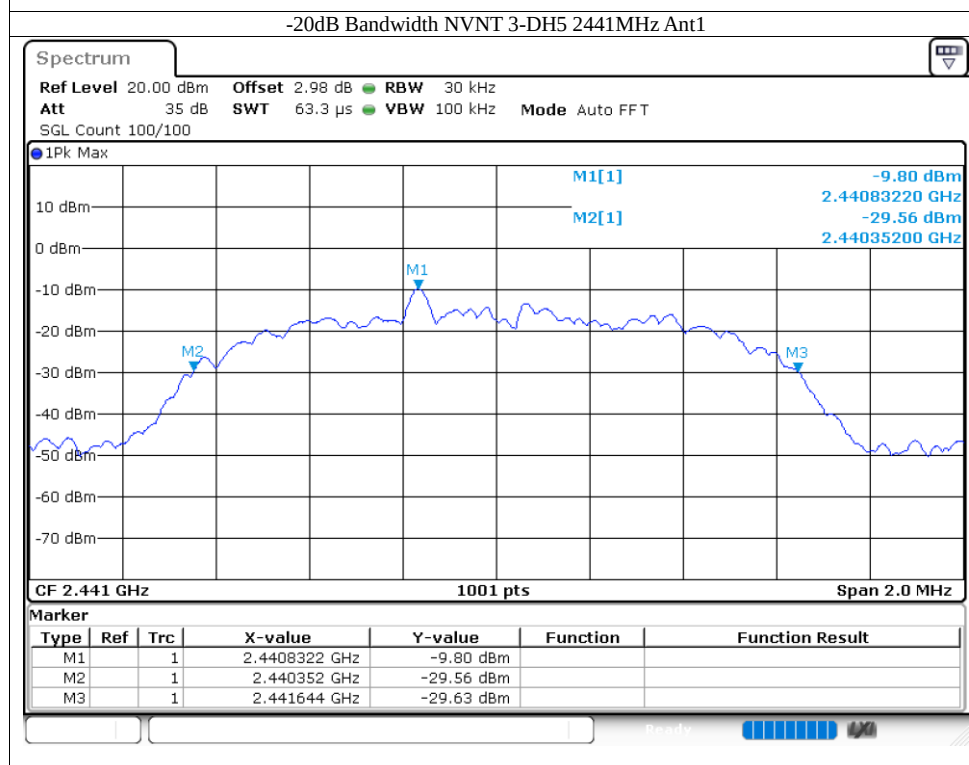
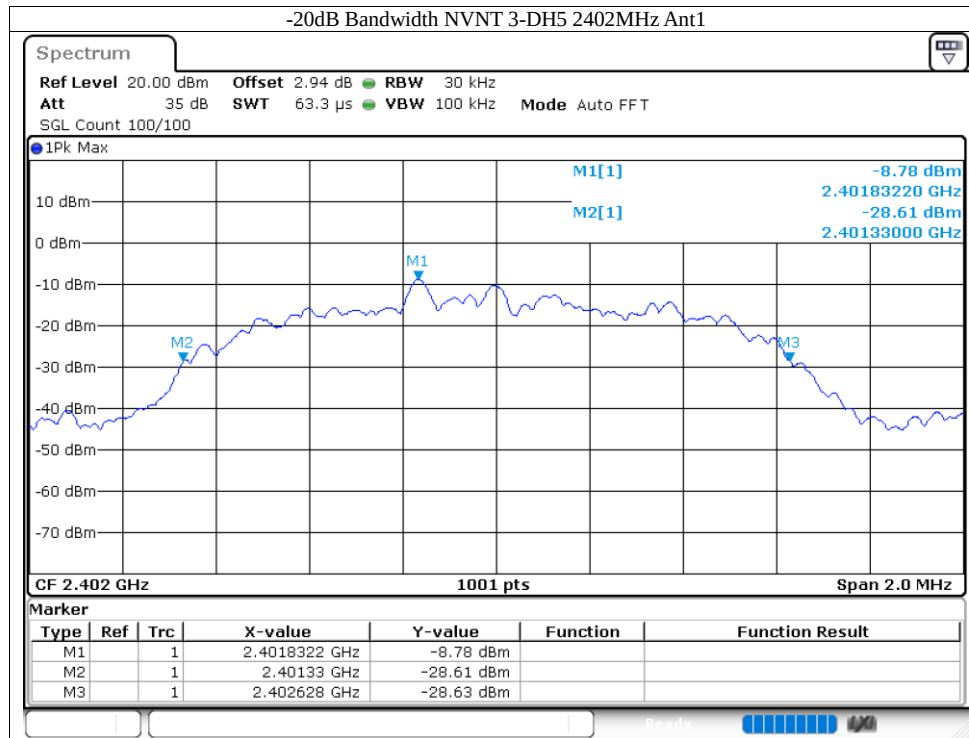
Main Bluetooth

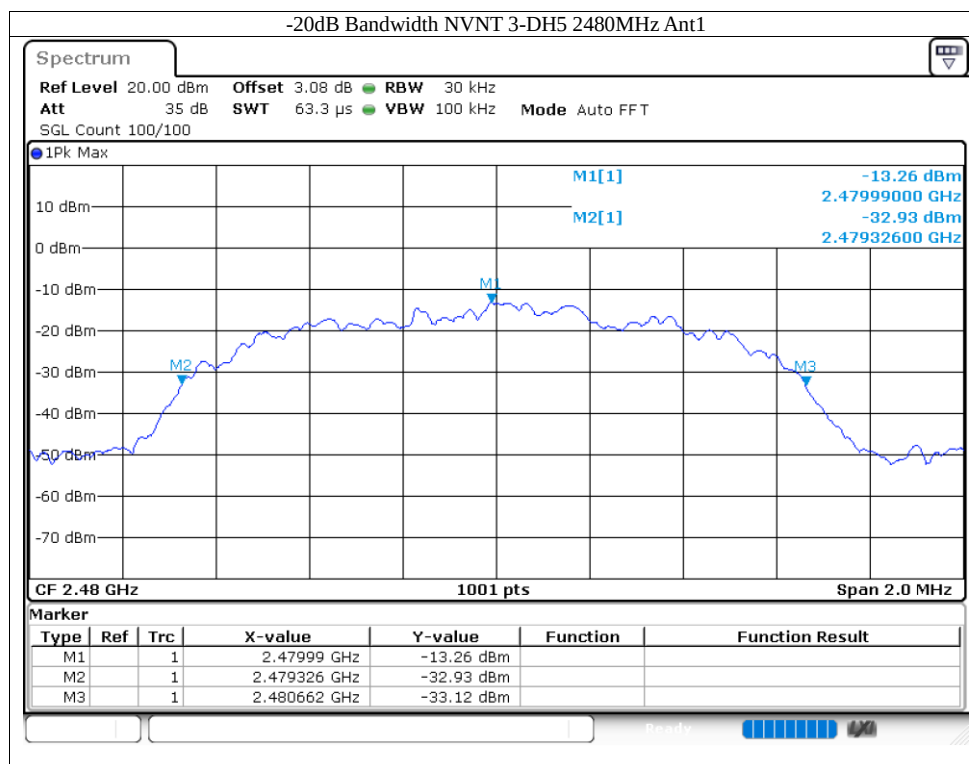
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.95                   | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.956                  | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.944                  | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.346                  | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.316                  | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.308                  | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.298                  | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.292                  | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.336                  | Pass    |





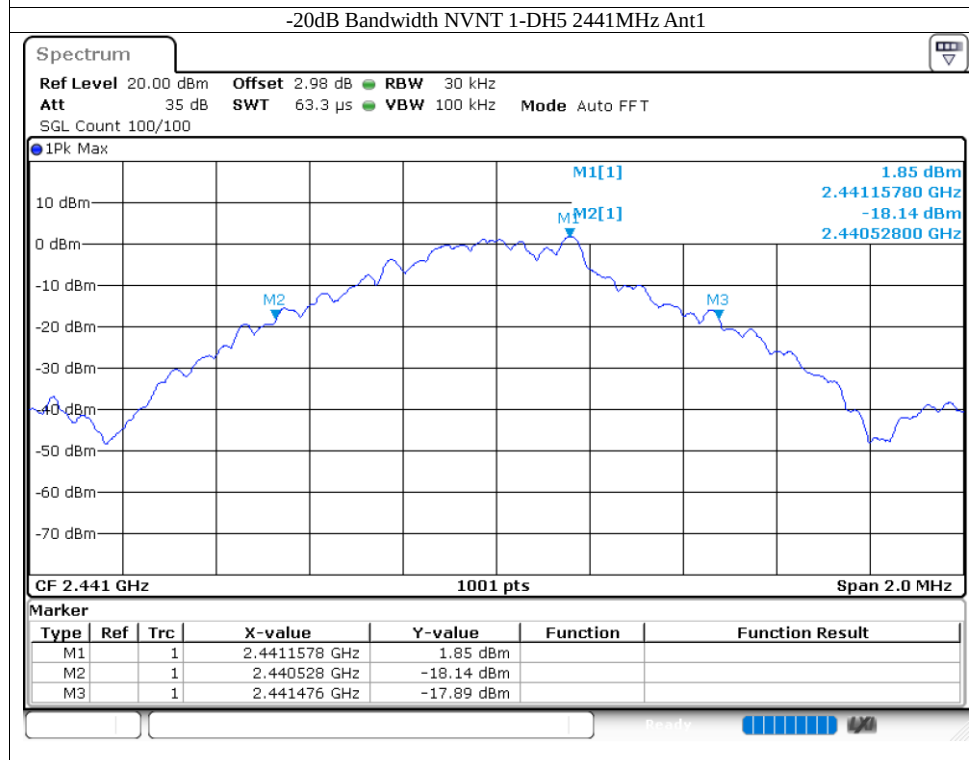
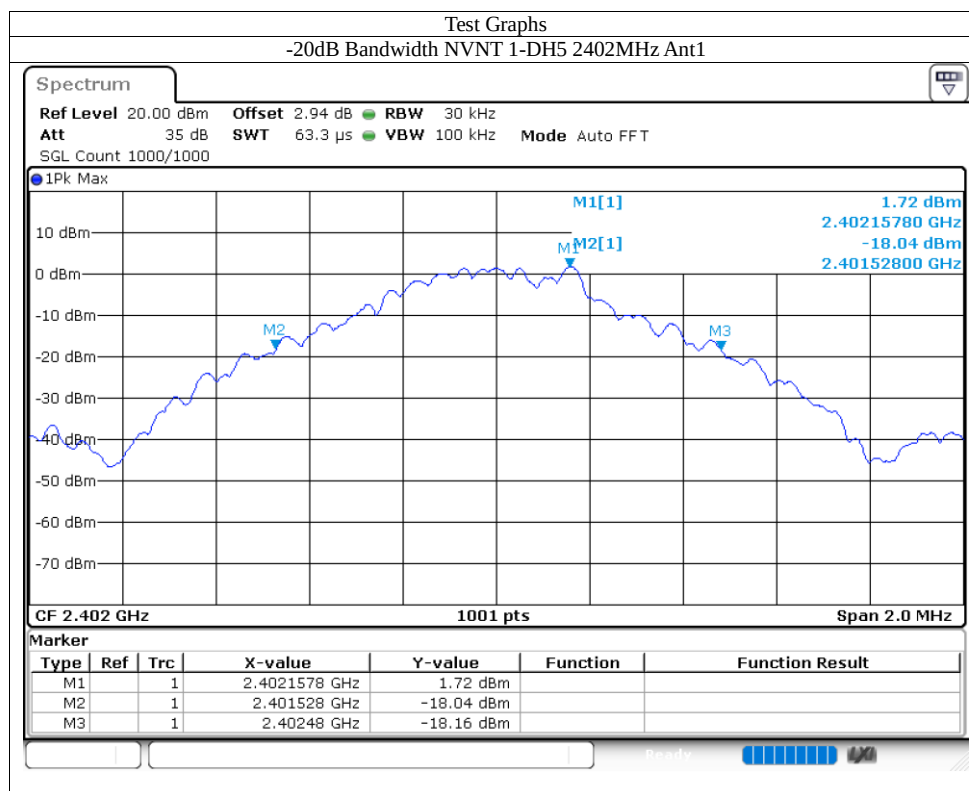


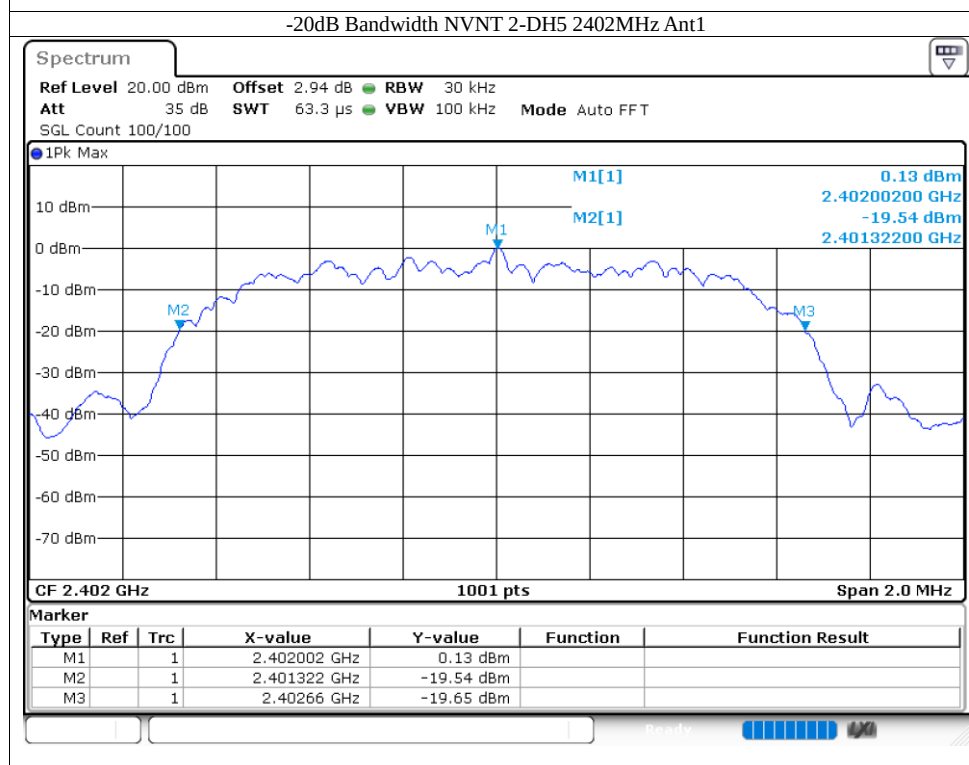
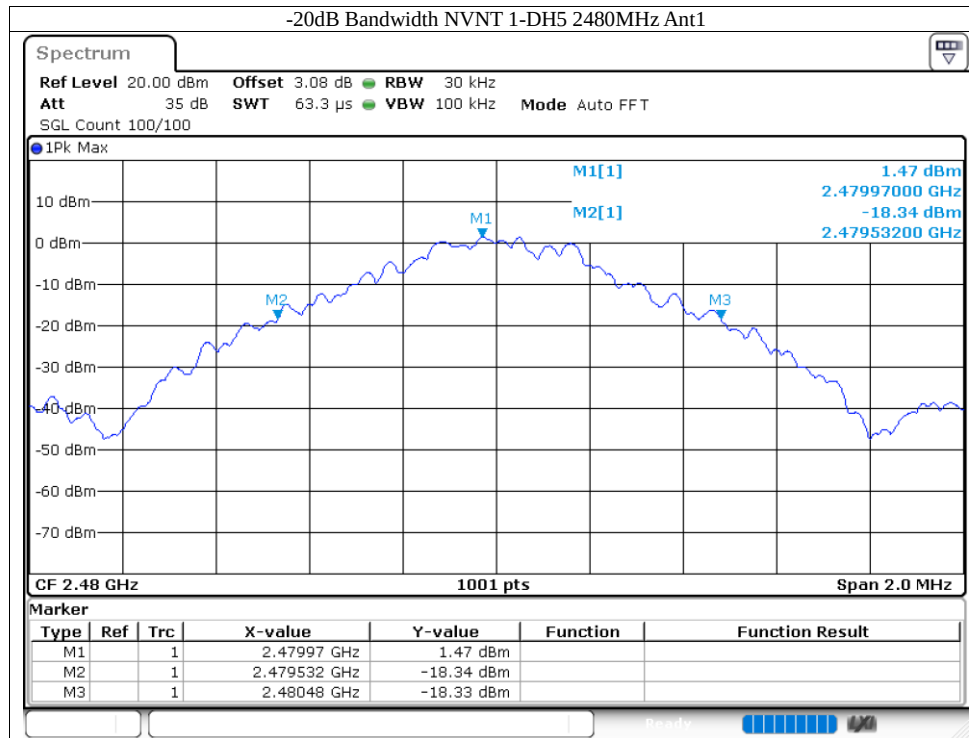


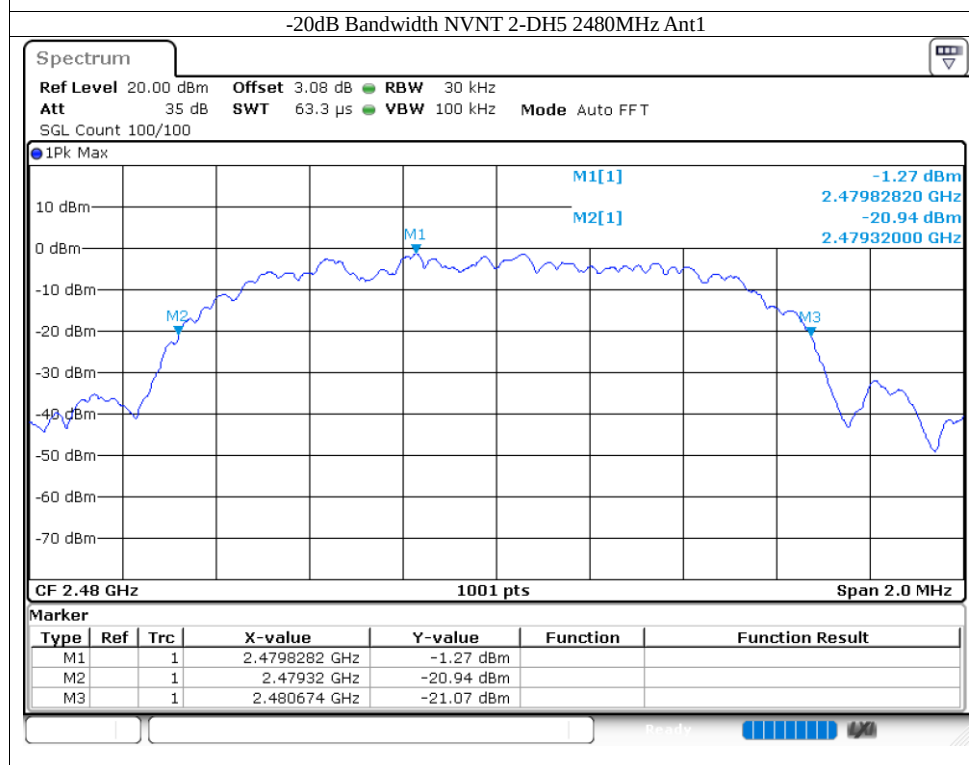
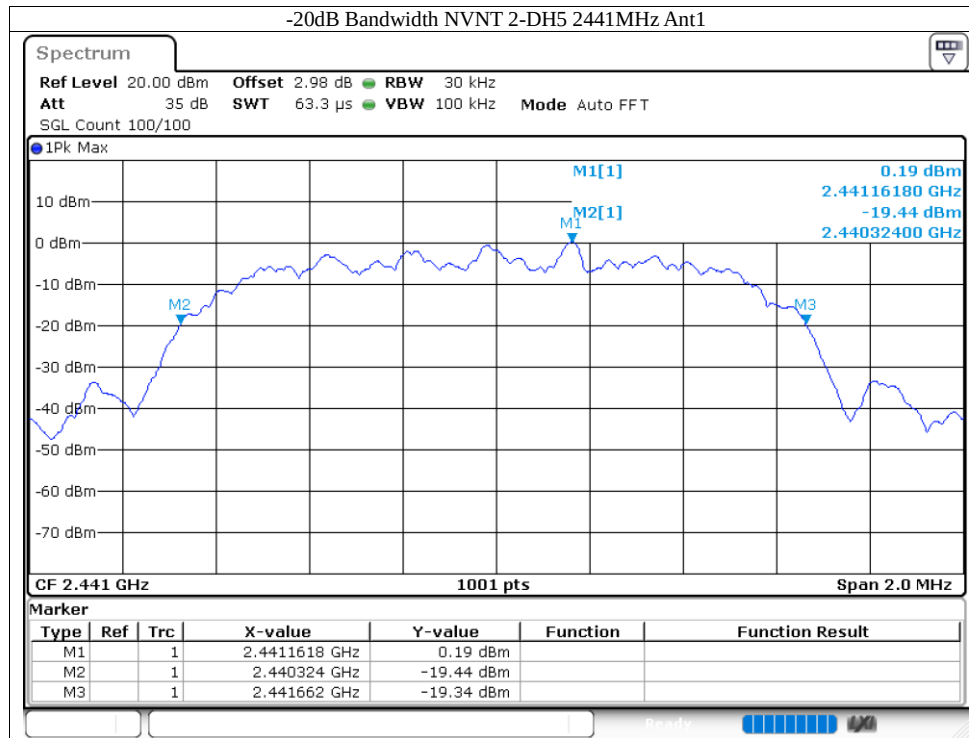


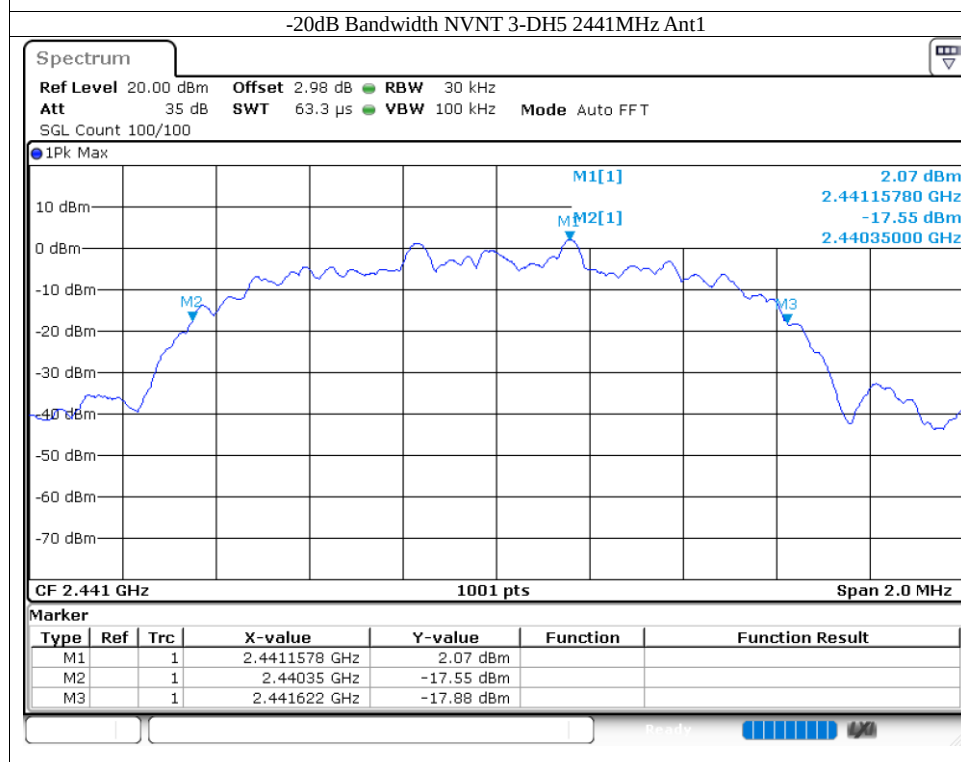
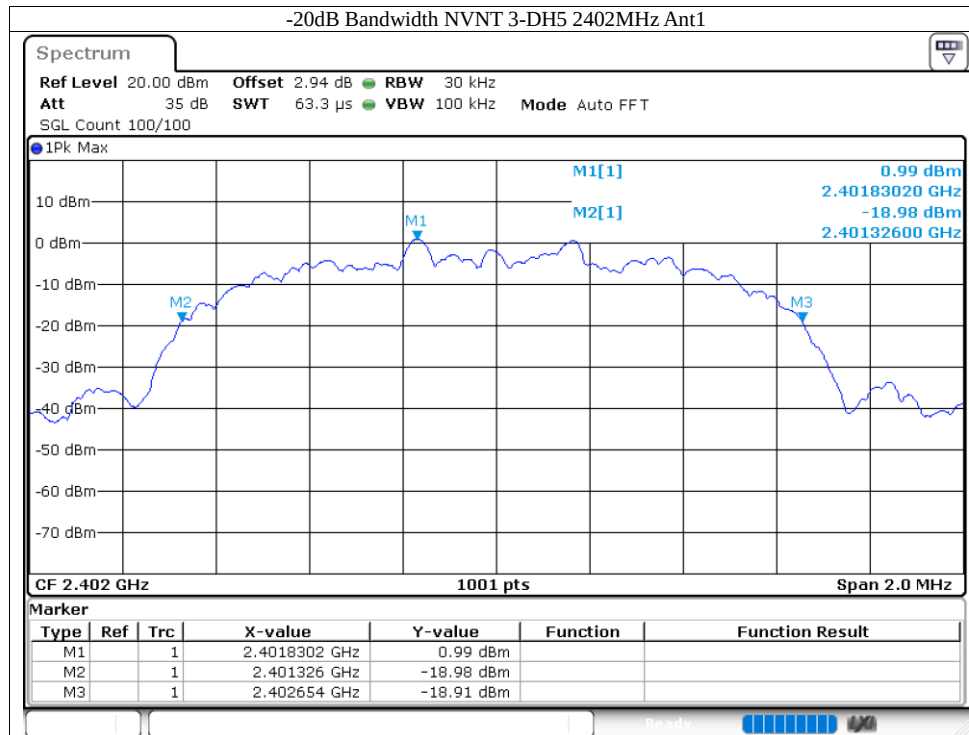
Secondary Bluetooth

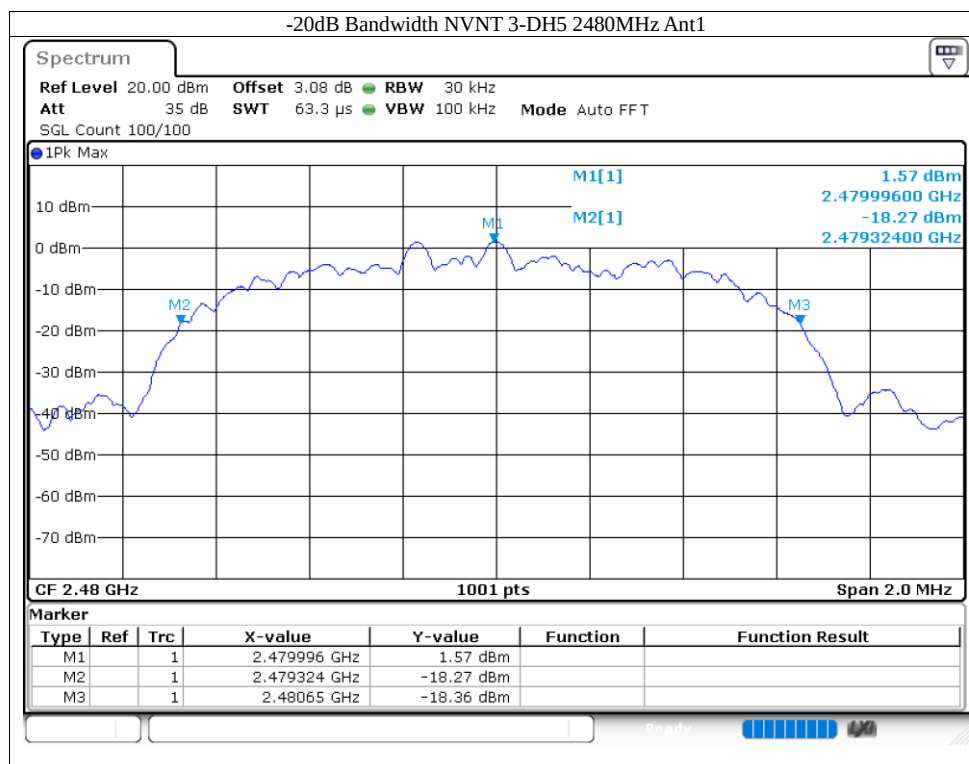
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.952                  | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.948                  | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.948                  | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.338                  | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.338                  | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.354                  | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.328                  | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.272                  | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.326                  | Pass    |











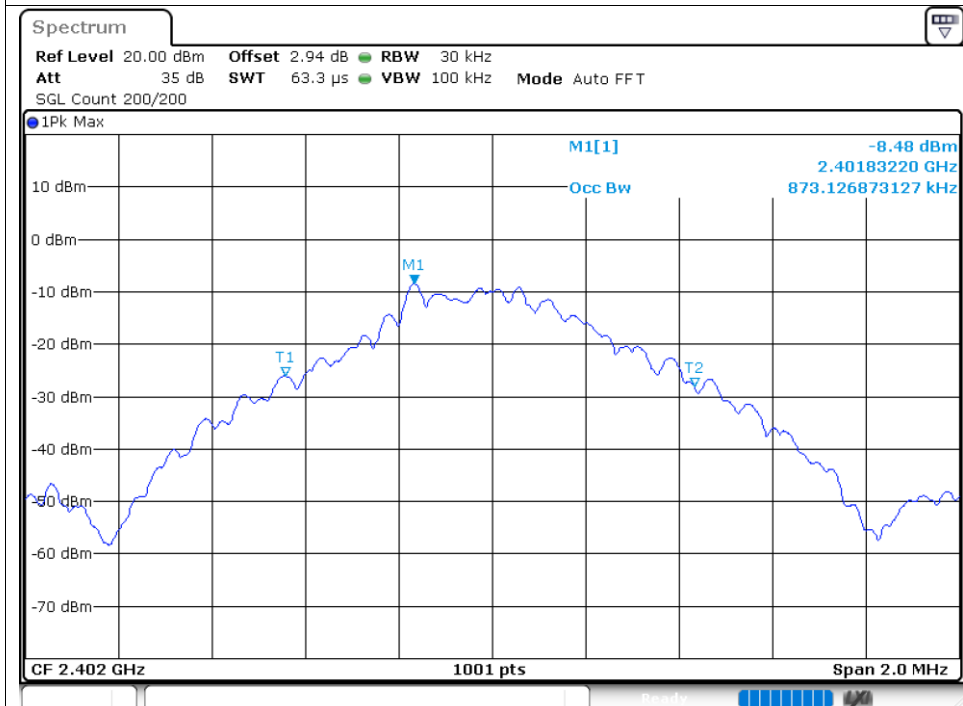
#### 8.4 OCCUPIED CHANNEL BANDWIDTH

##### Main Bluetooth

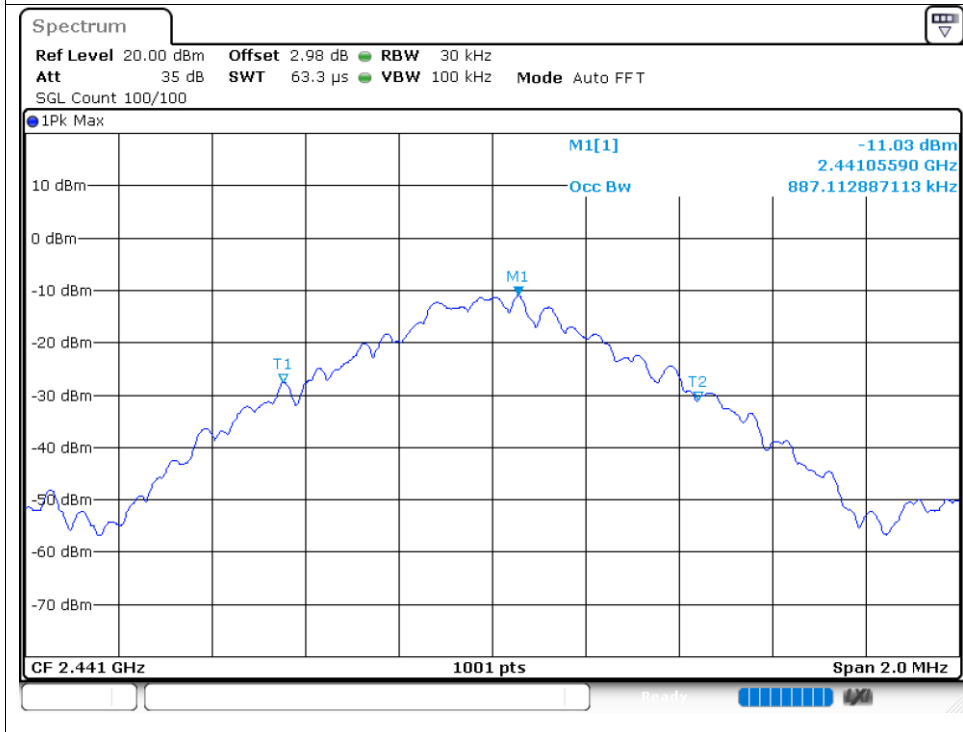
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.873         |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.887         |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.879         |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.221         |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.199         |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.185         |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.215         |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.197         |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.211         |

# Test Graphs

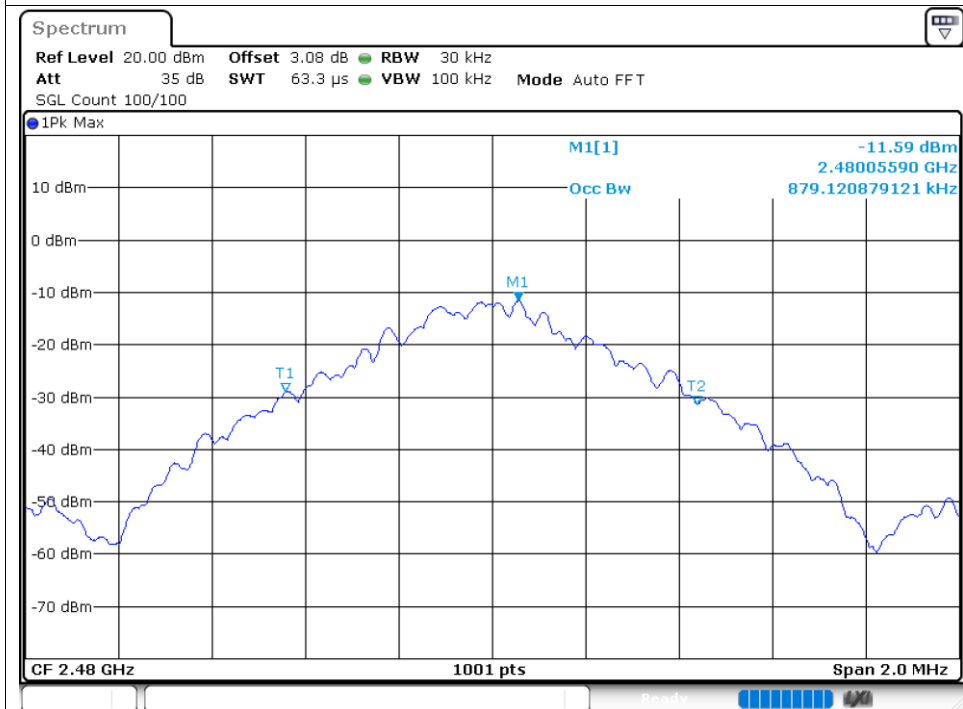
## OBW NVNT 1-DH5 2402MHz Ant1



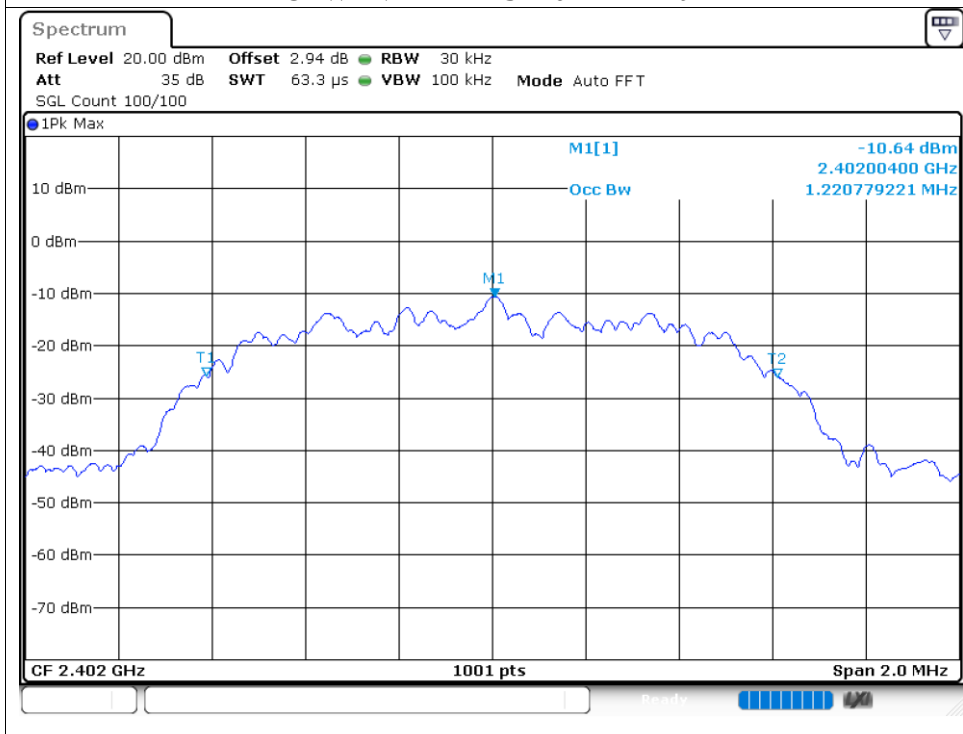
## OBW NVNT 1-DH5 2441MHz Ant1



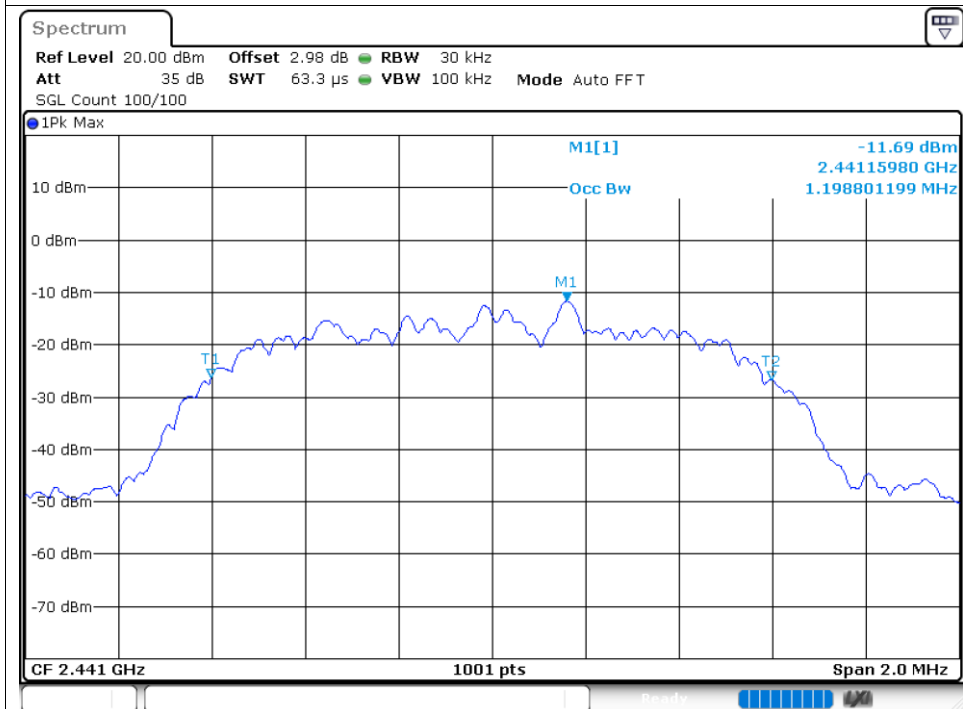
### OBW NVNT 1-DH5 2480MHz Ant1



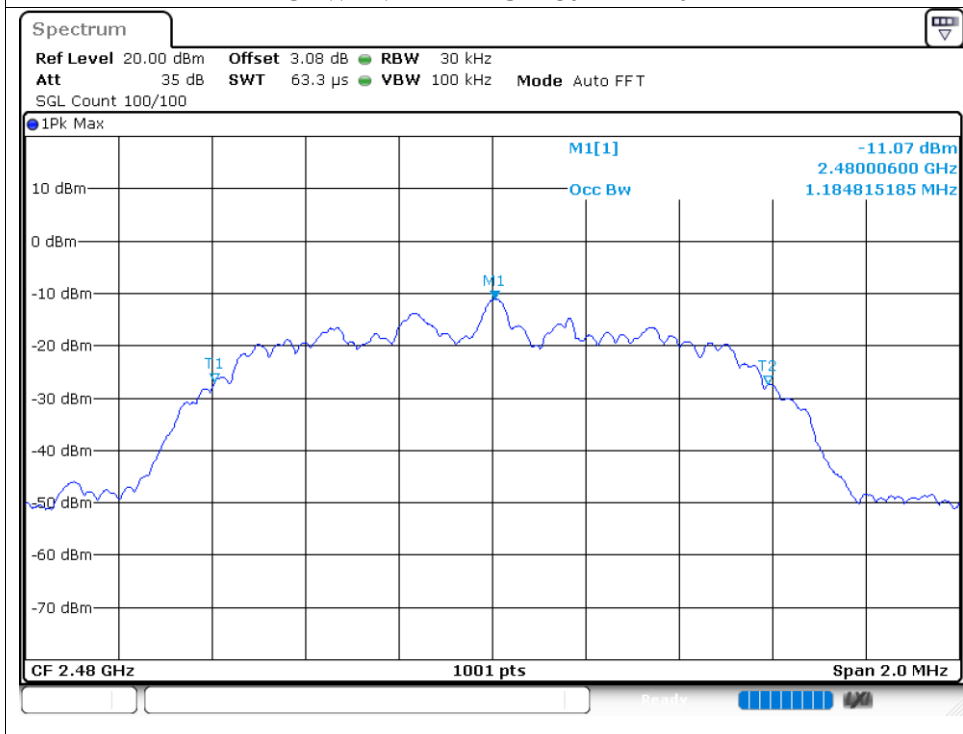
### OBW NVNT 2-DH5 2402MHz Ant1



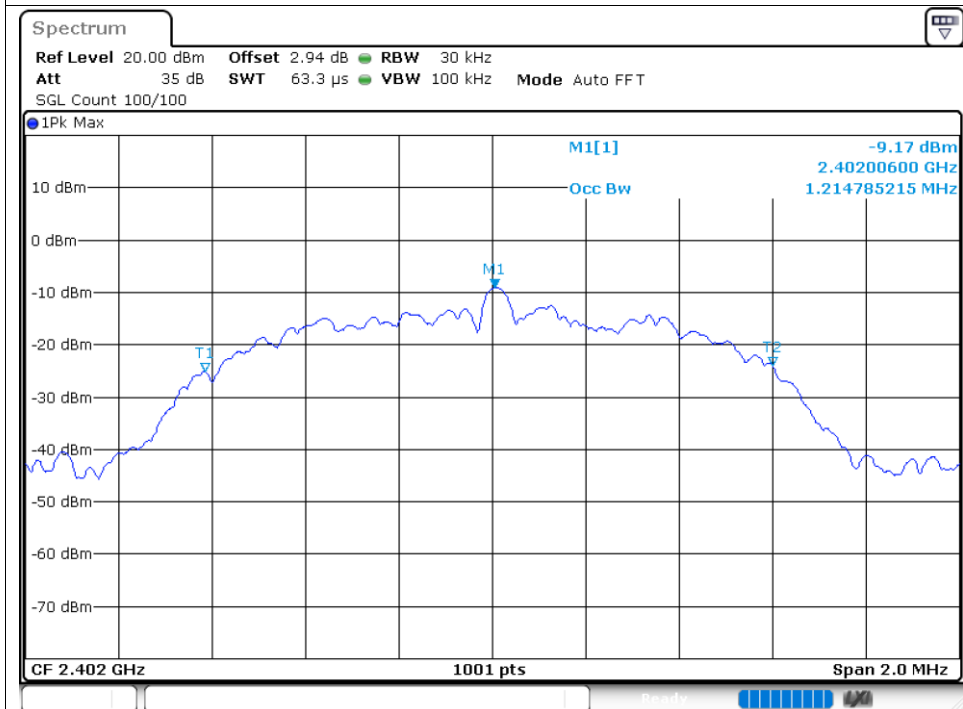
### OBW NVNT 2-DH5 2441MHz Ant1



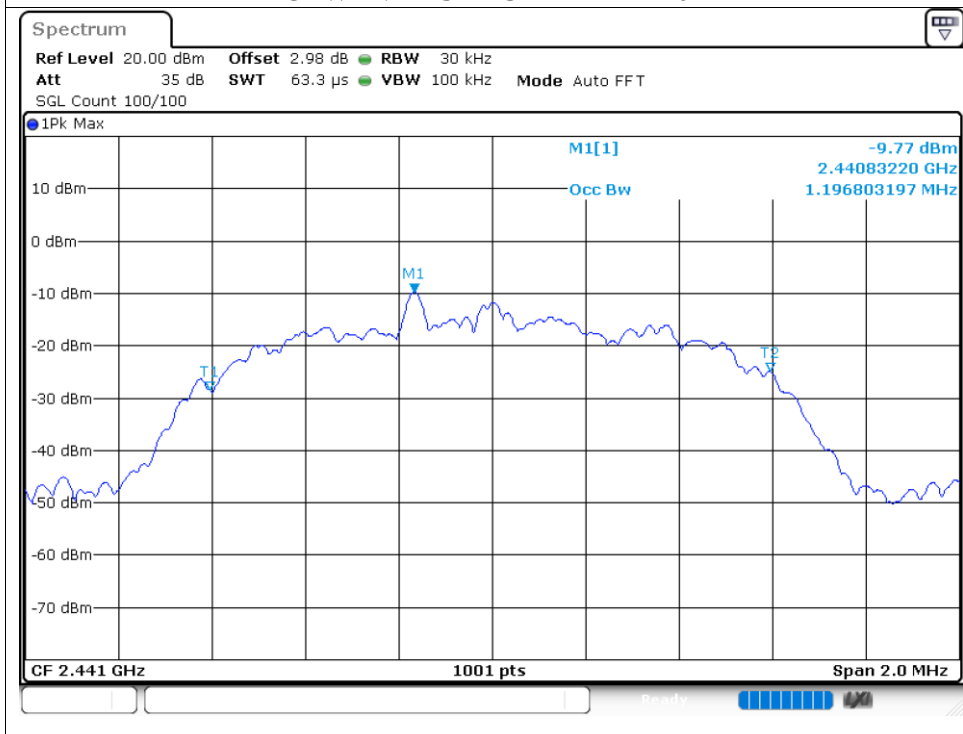
### OBW NVNT 2-DH5 2480MHz Ant1

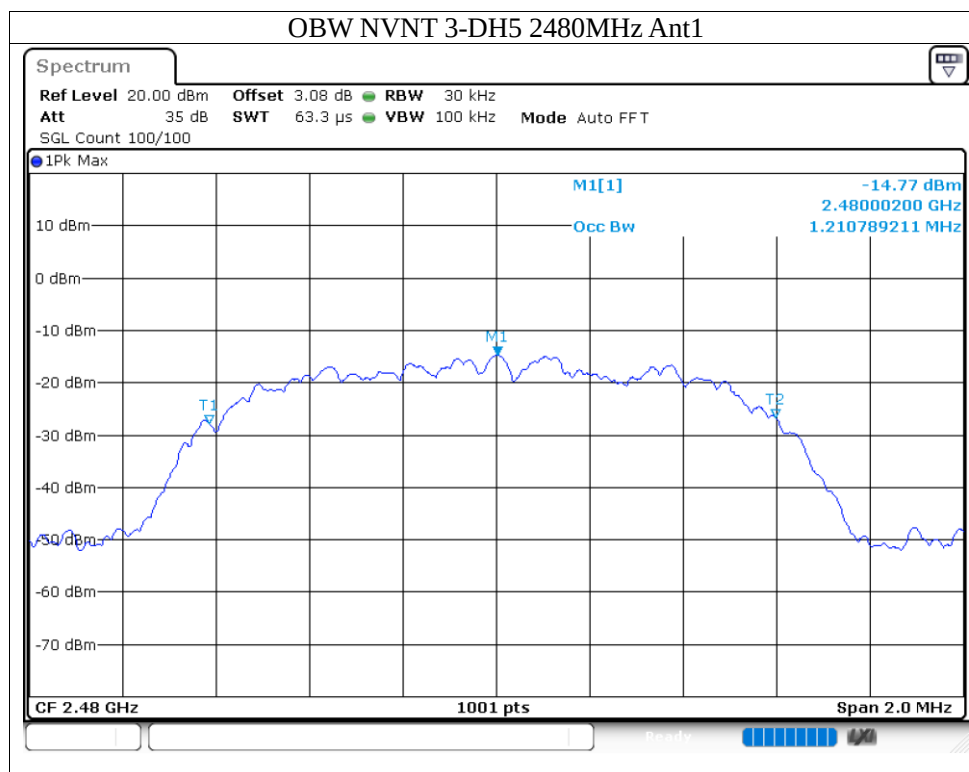


### OBW NVNT 3-DH5 2402MHz Ant1



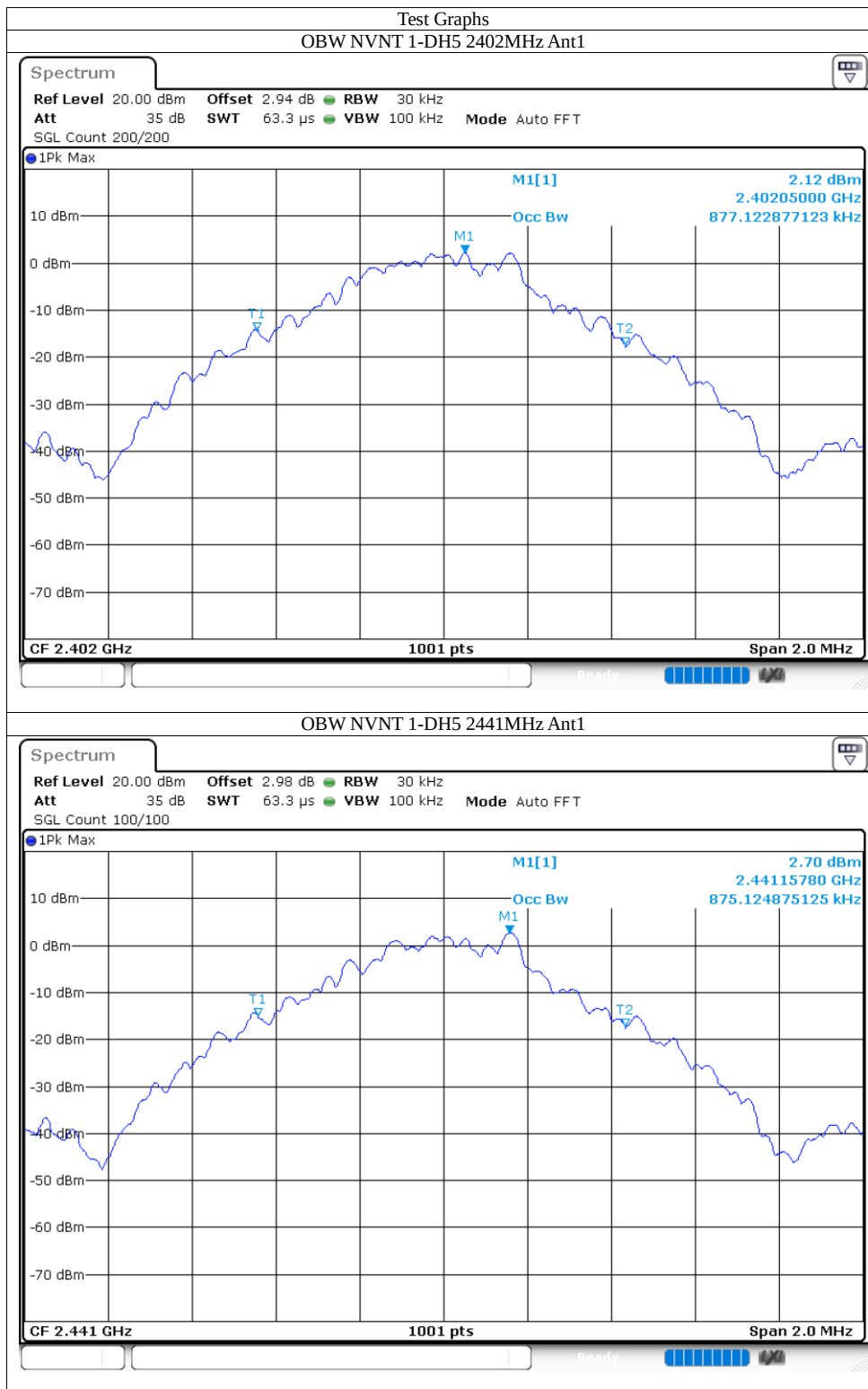
### OBW NVNT 3-DH5 2441MHz Ant1

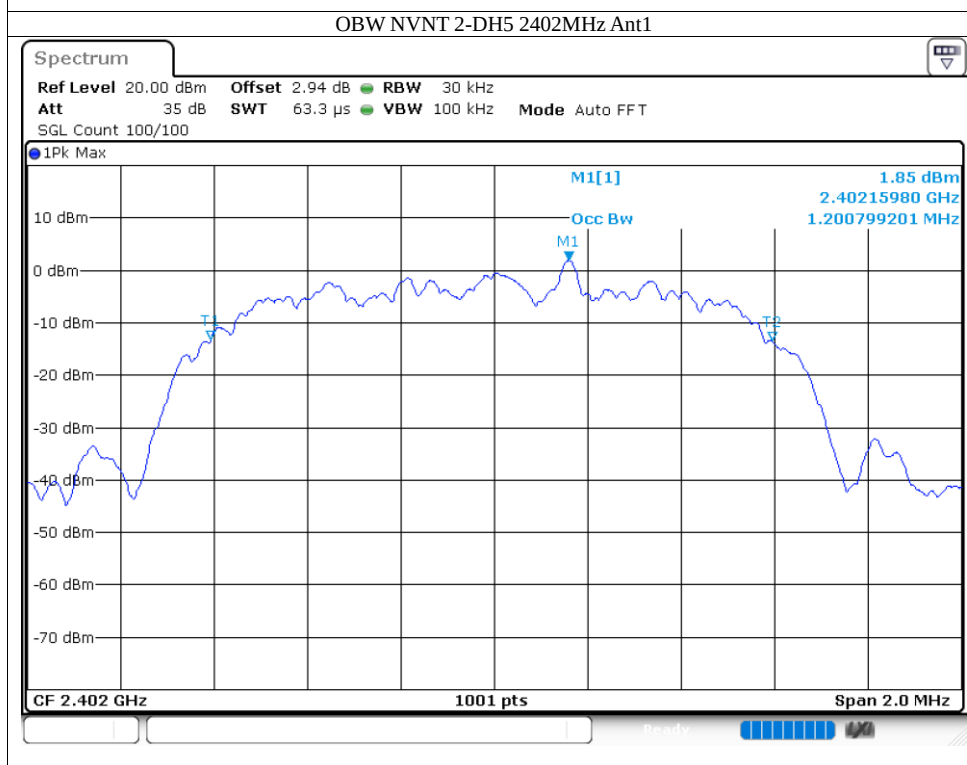
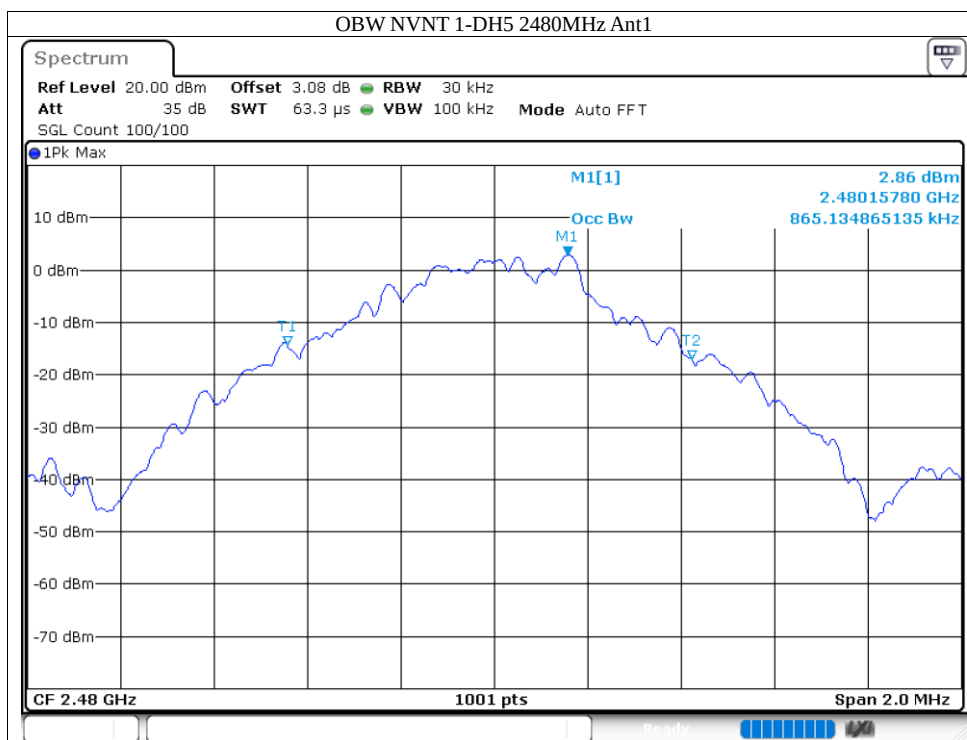


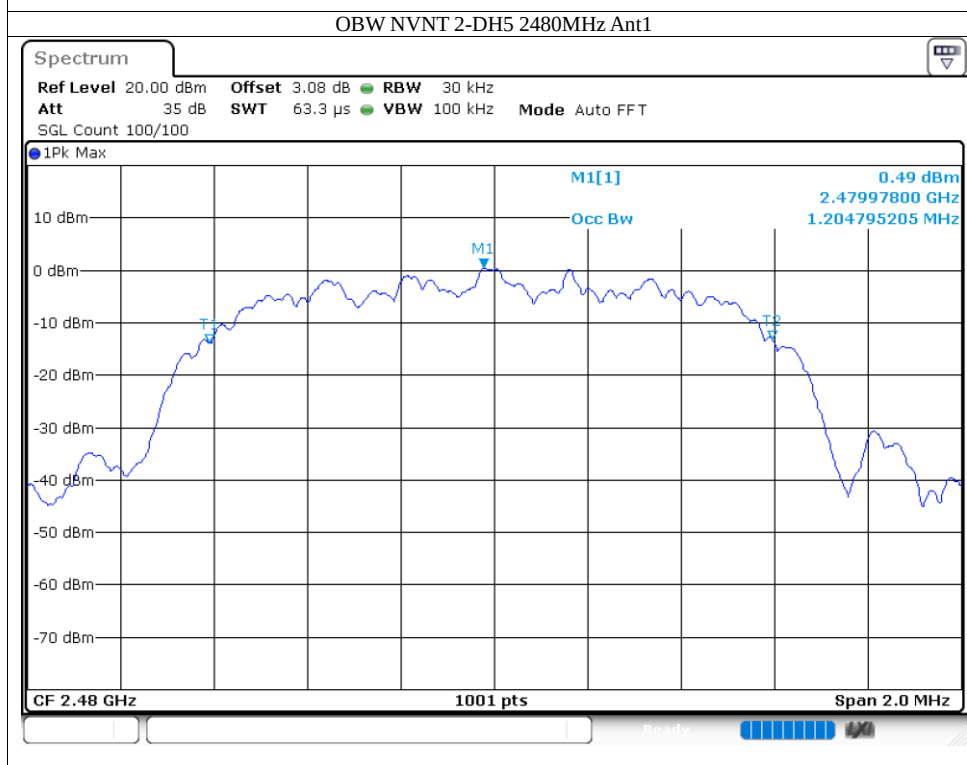
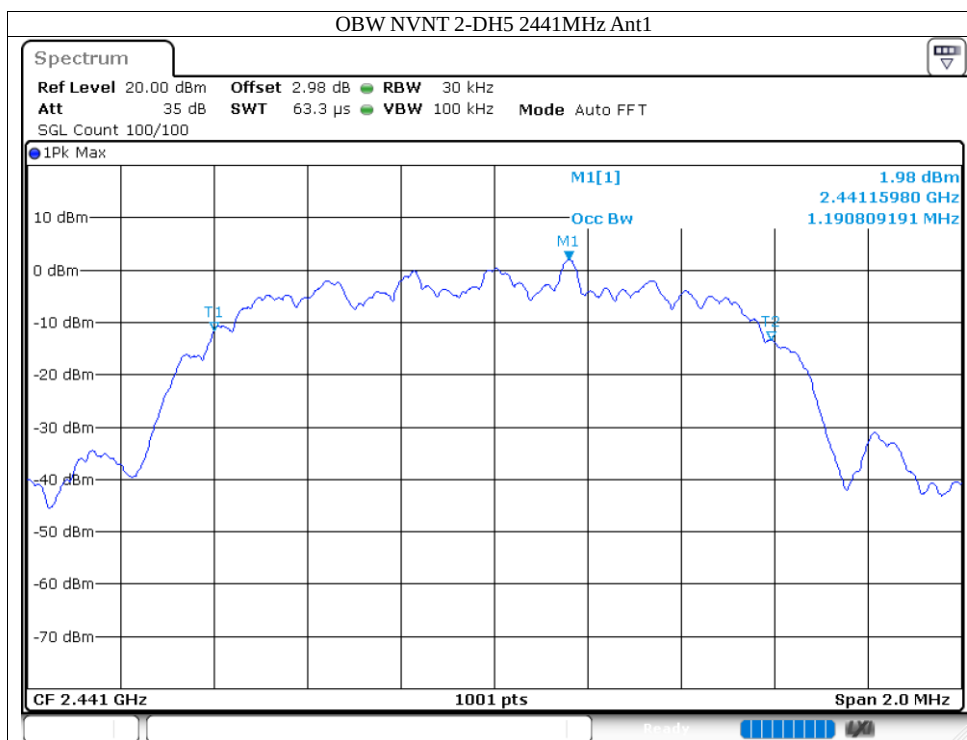


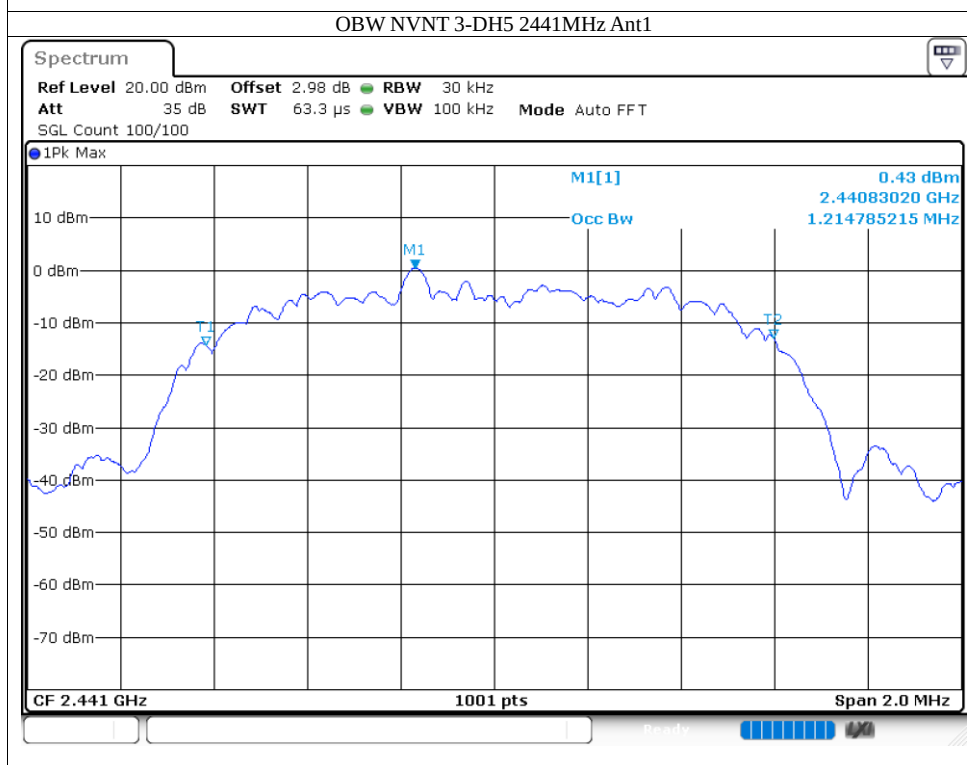
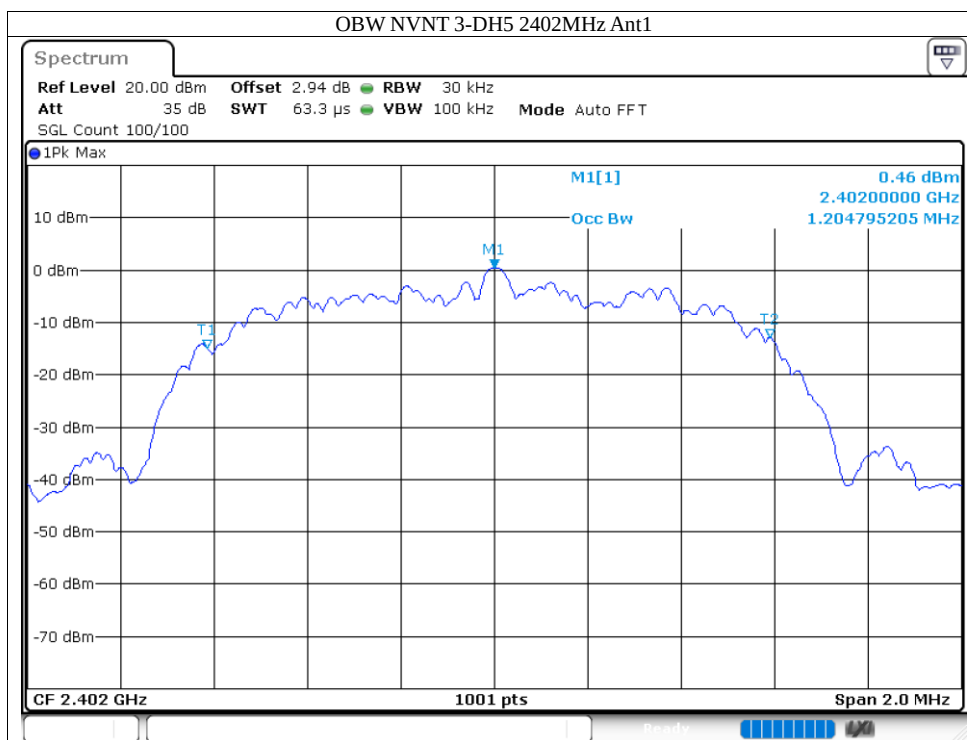
Secondary Bluetooth

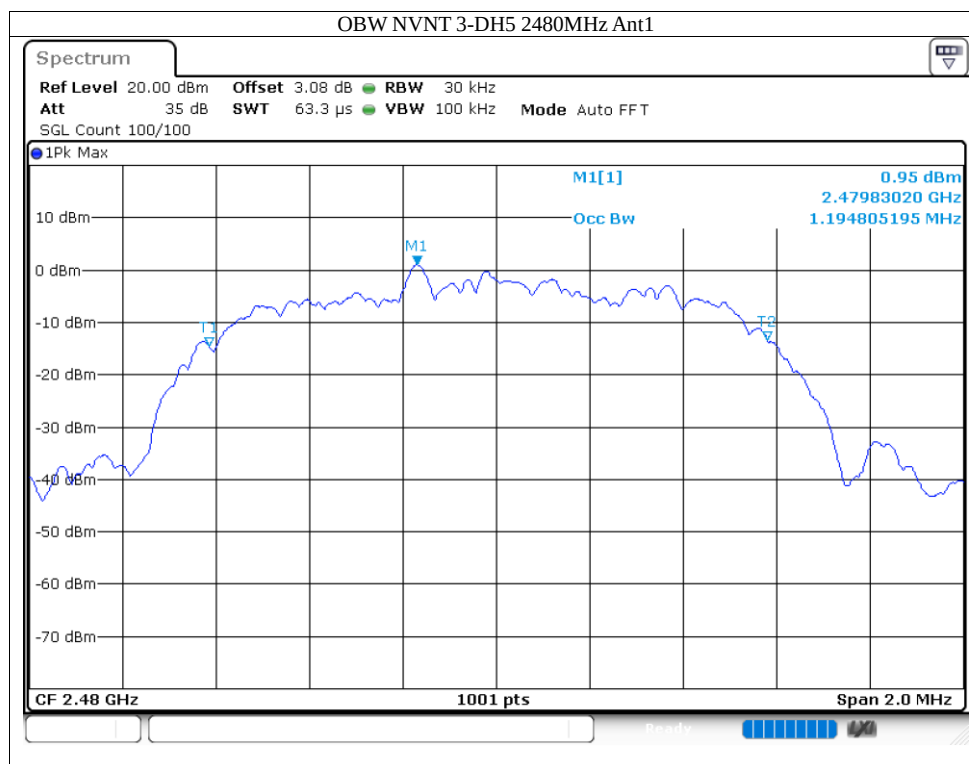
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.877         |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.875         |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.865         |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.201         |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.191         |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.205         |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.205         |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.215         |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.195         |











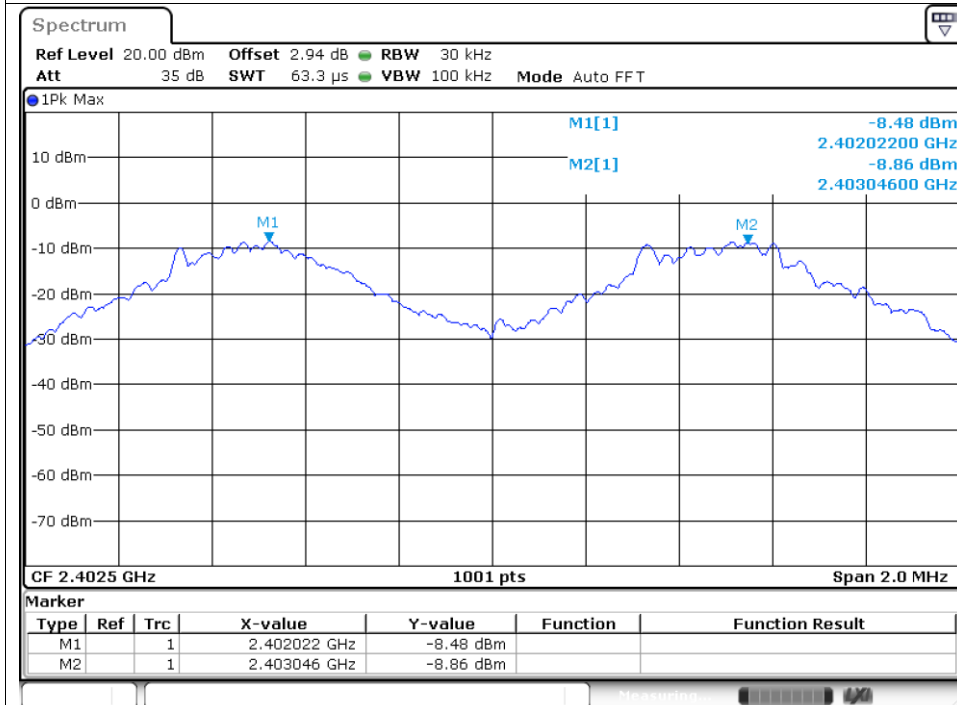
## 8.5 CARRIER FREQUENCIES SEPARATION

Main Bluetooth

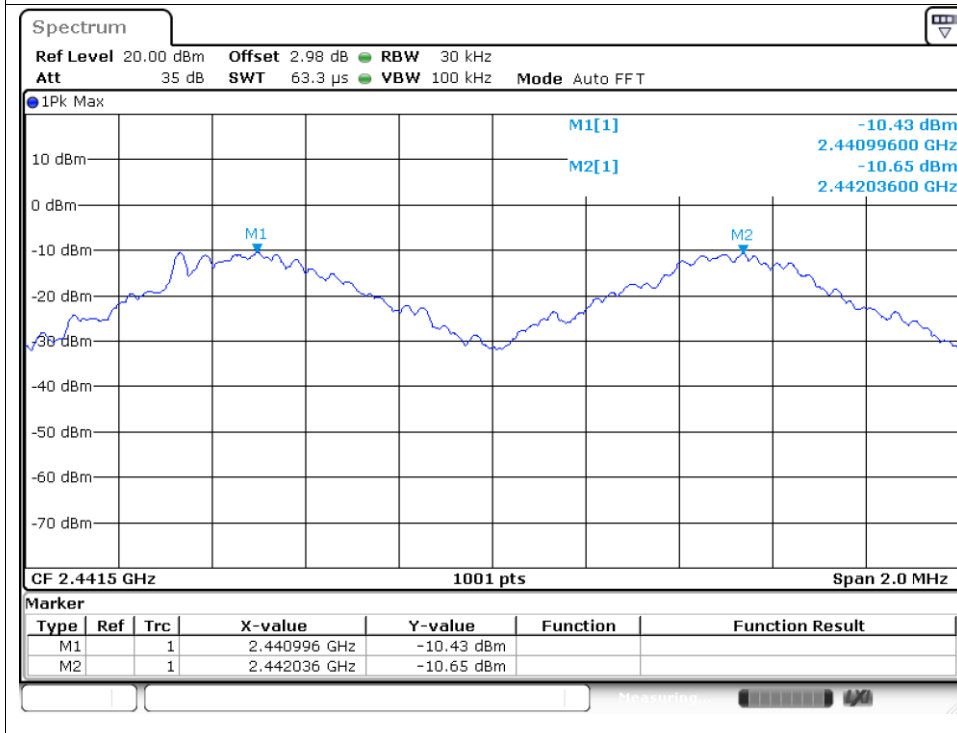
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2402.022            | 2403.046            | 1.024     | 0.633       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2440.996            | 2442.036            | 1.04      | 0.637       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2478.964            | 2479.98             | 1.016     | 0.629       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2401.946            | 2402.964            | 1.018     | 0.897       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2440.986            | 2441.986            | 1         | 0.877       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2478.95             | 2479.988            | 1.038     | 0.872       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2401.986            | 2402.942            | 0.956     | 0.865       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2440.82             | 2441.822            | 1.002     | 0.861       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2478.984            | 2479.986            | 1.002     | 0.891       | Pass    |

### Test Graphs

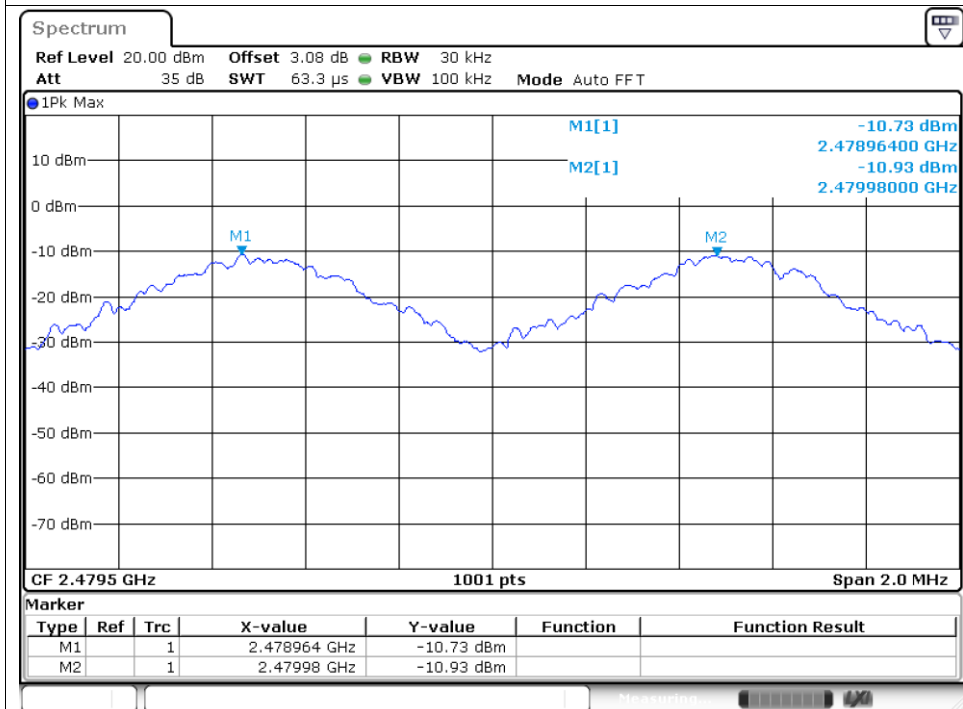
#### CFS NVNT 1-DH5 2402MHz Ant1



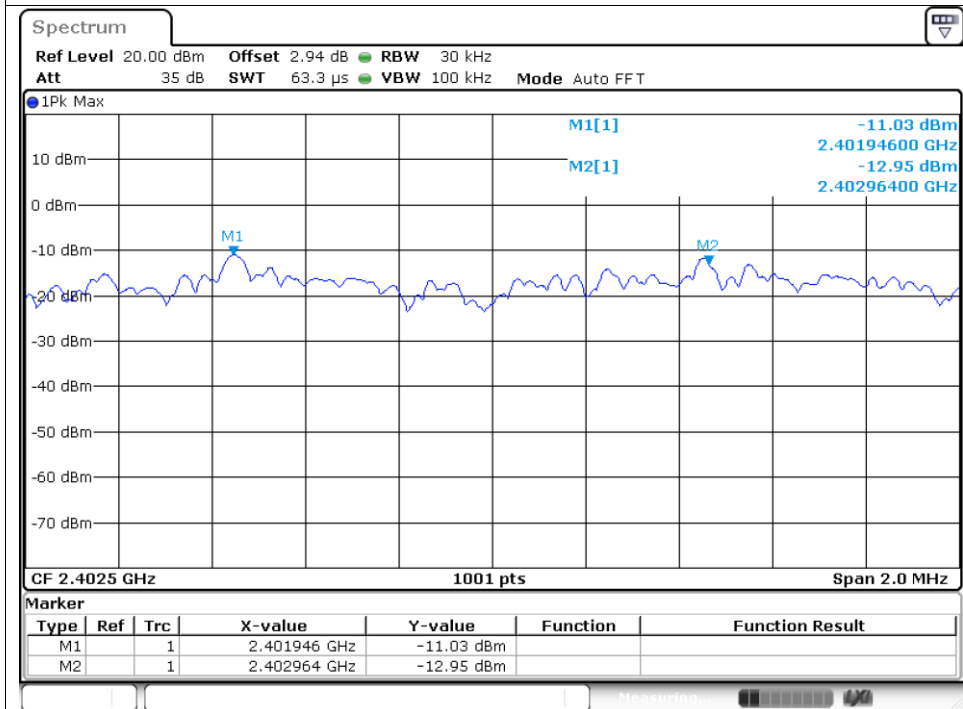
#### CFS NVNT 1-DH5 2441MHz Ant1



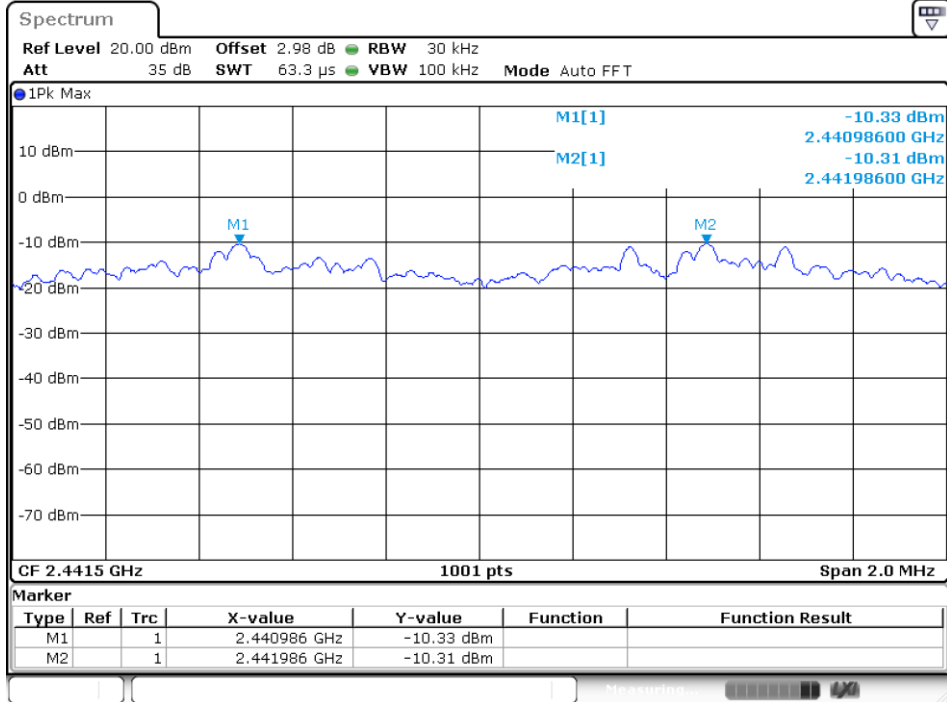
### CFS NVNT 1-DH5 2480MHz Ant1



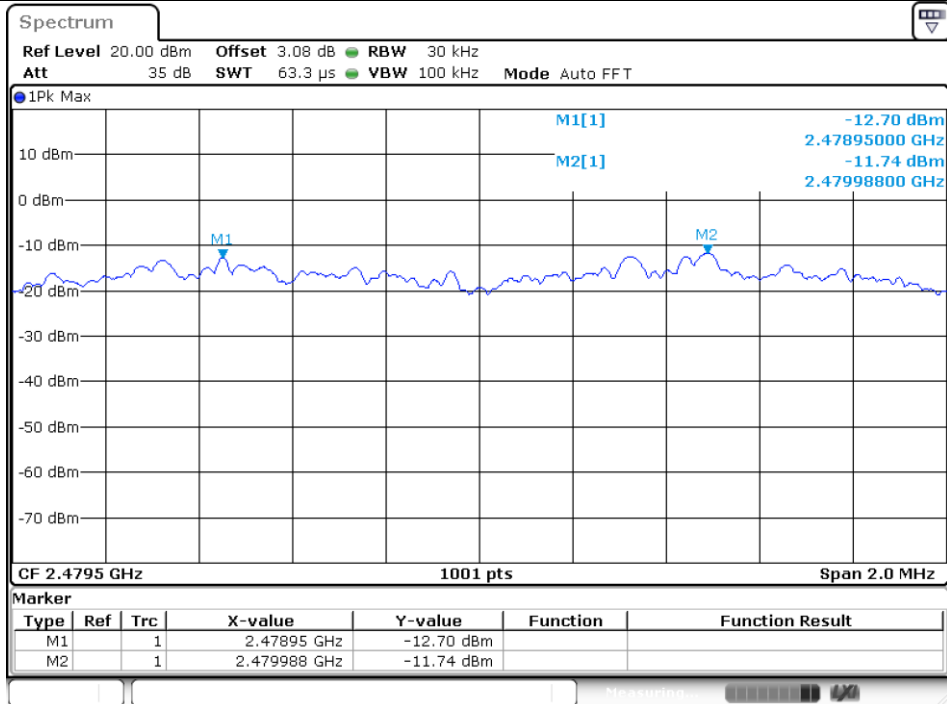
### CFS NVNT 2-DH5 2402MHz Ant1



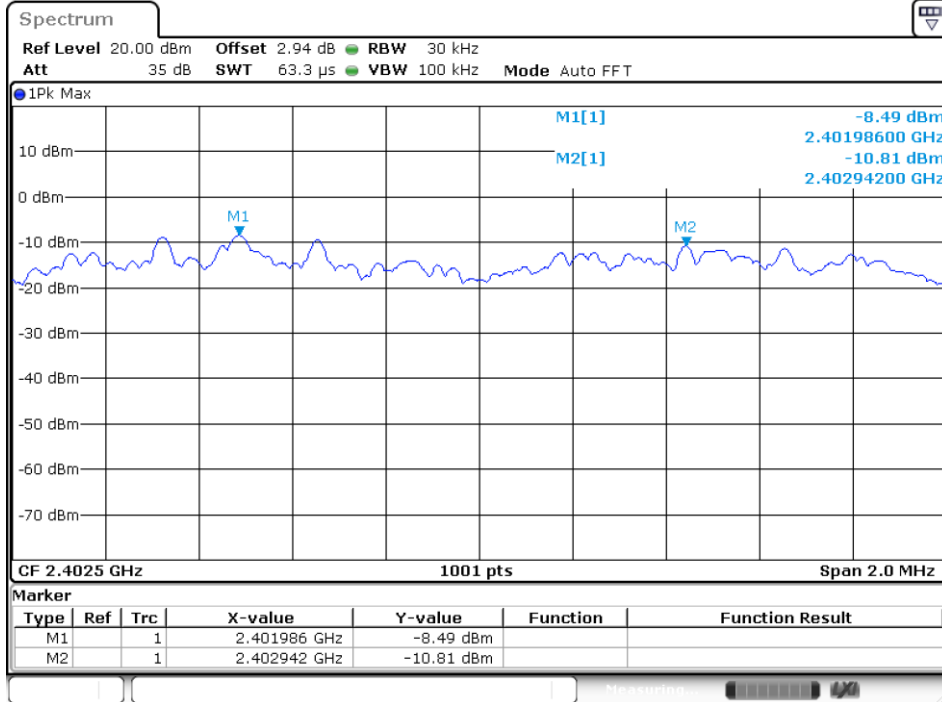
### CFS NVNT 2-DH5 2441MHz Ant1



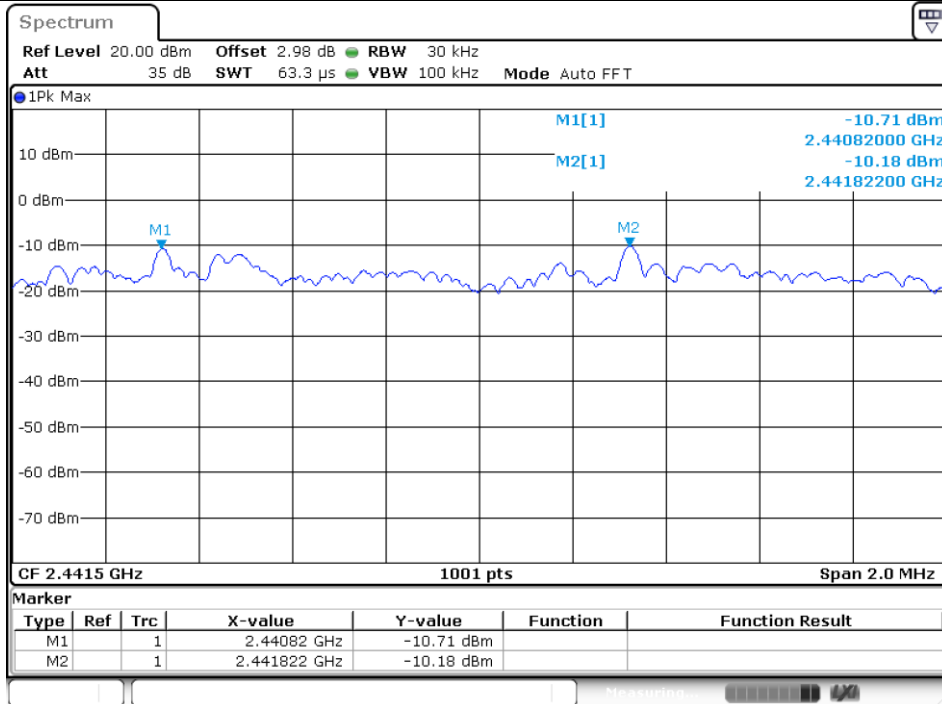
### CFS NVNT 2-DH5 2480MHz Ant1

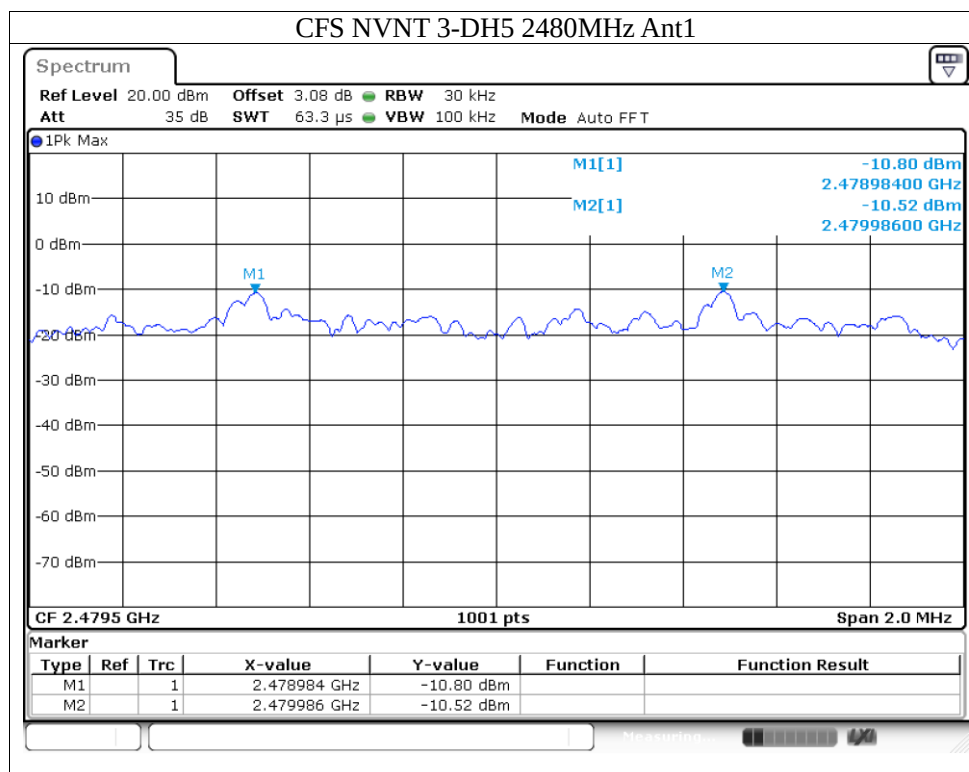


### CFS NVNT 3-DH5 2402MHz Ant1



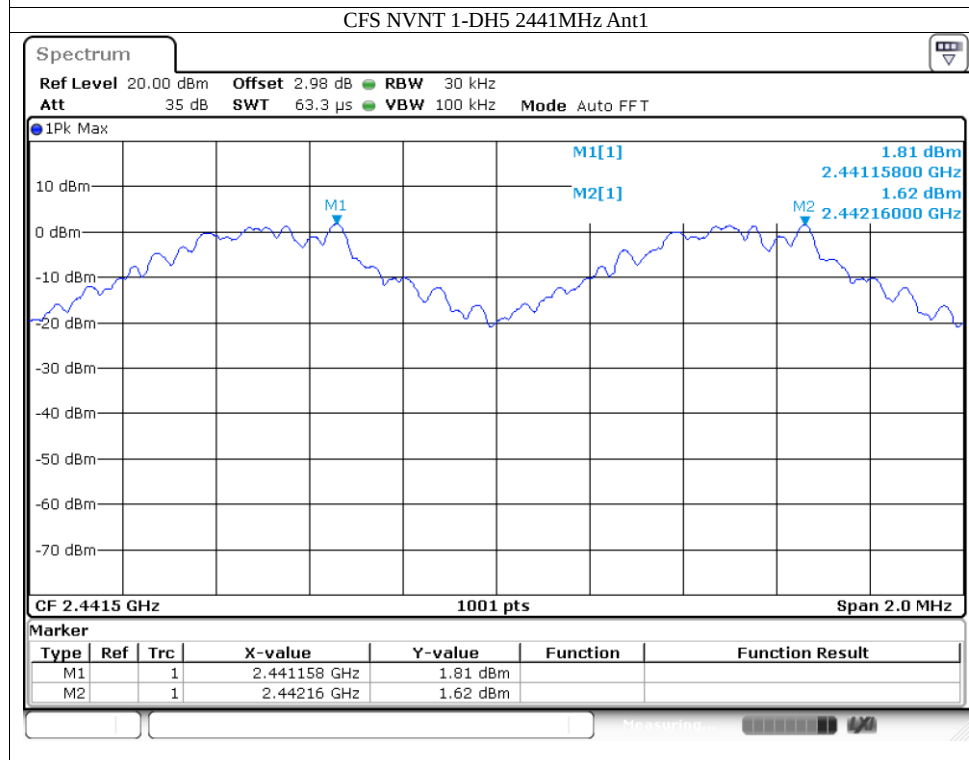
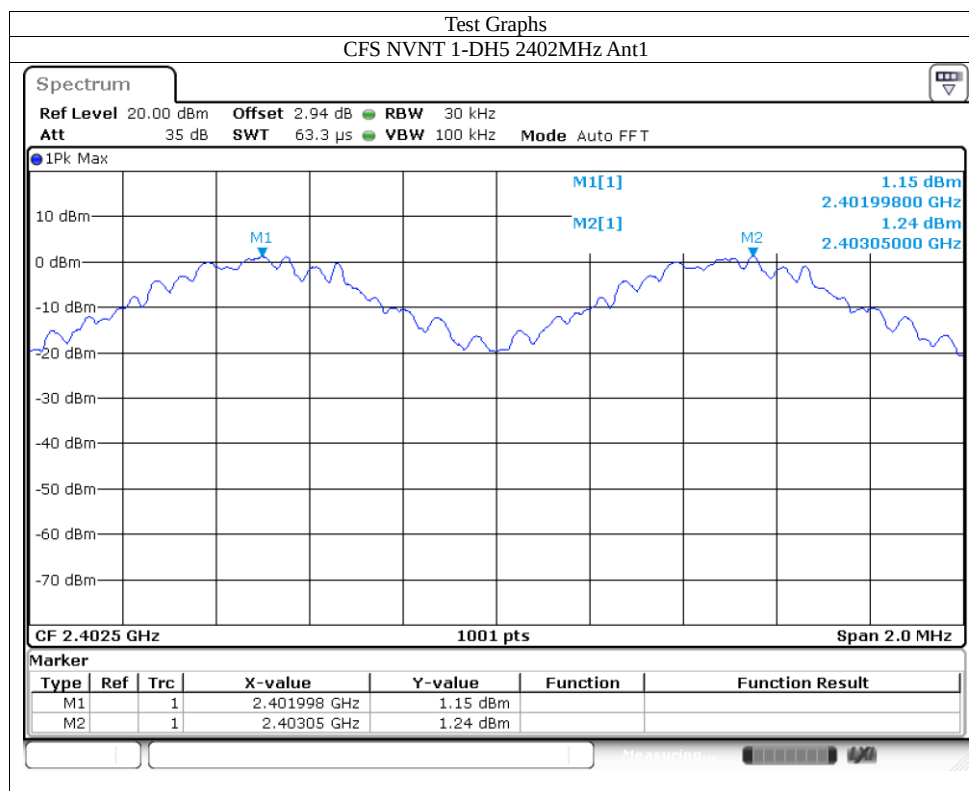
### CFS NVNT 3-DH5 2441MHz Ant1

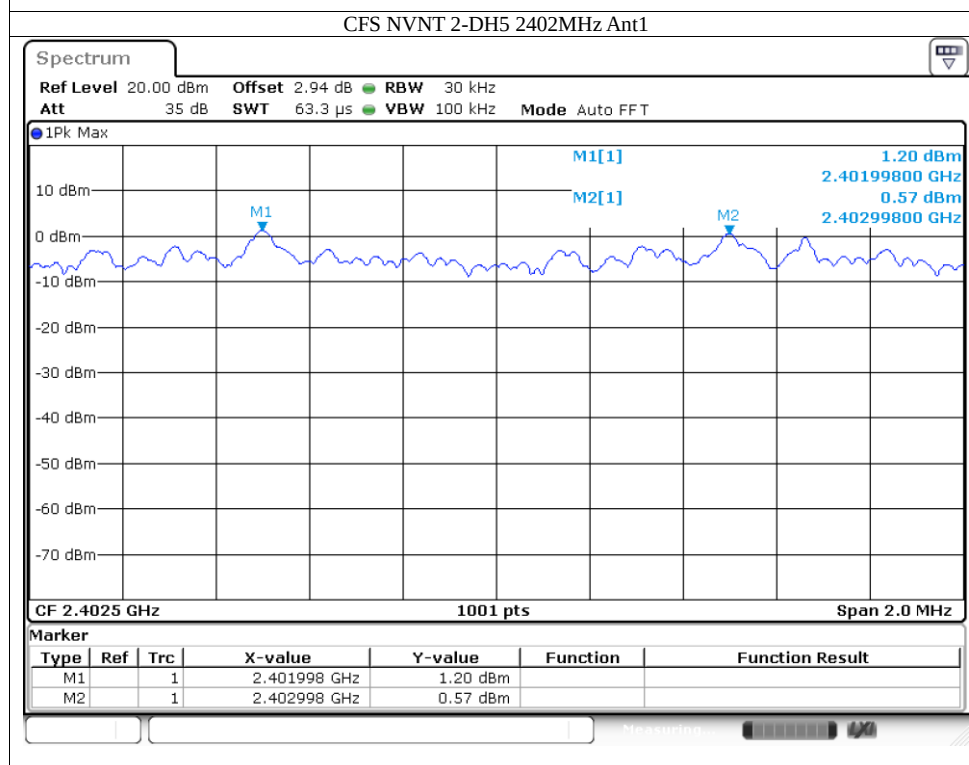
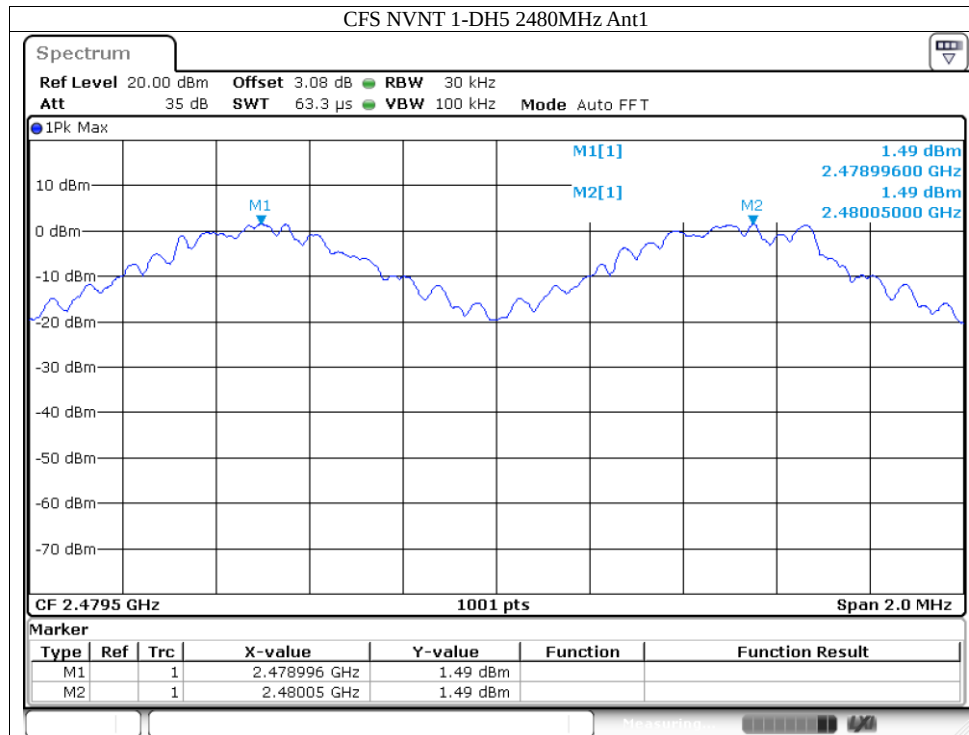


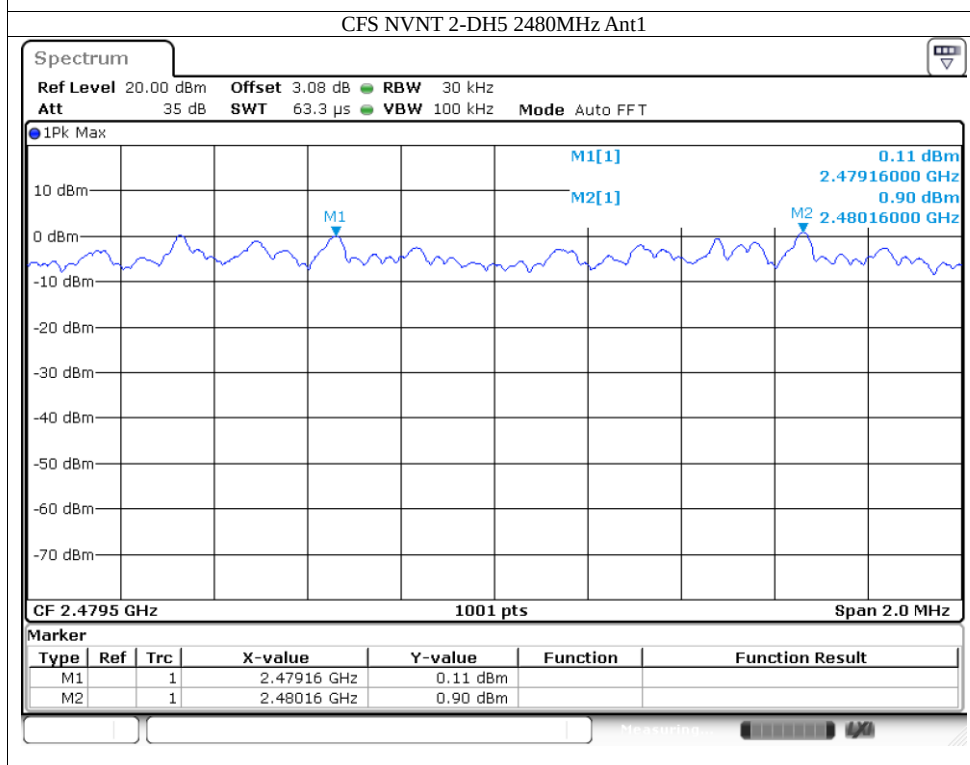
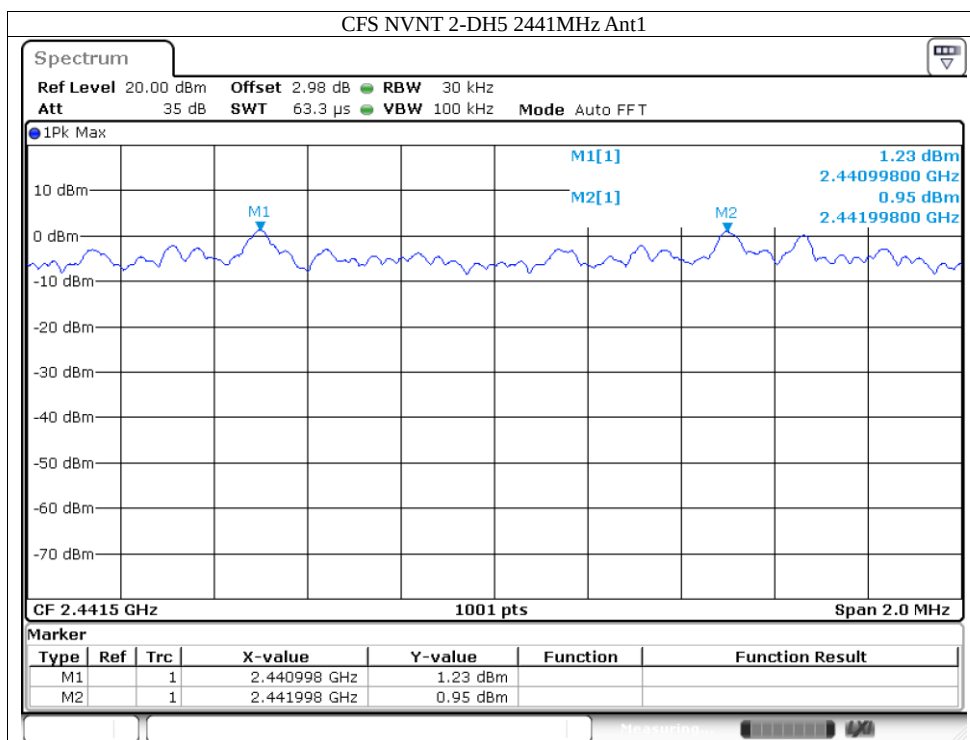


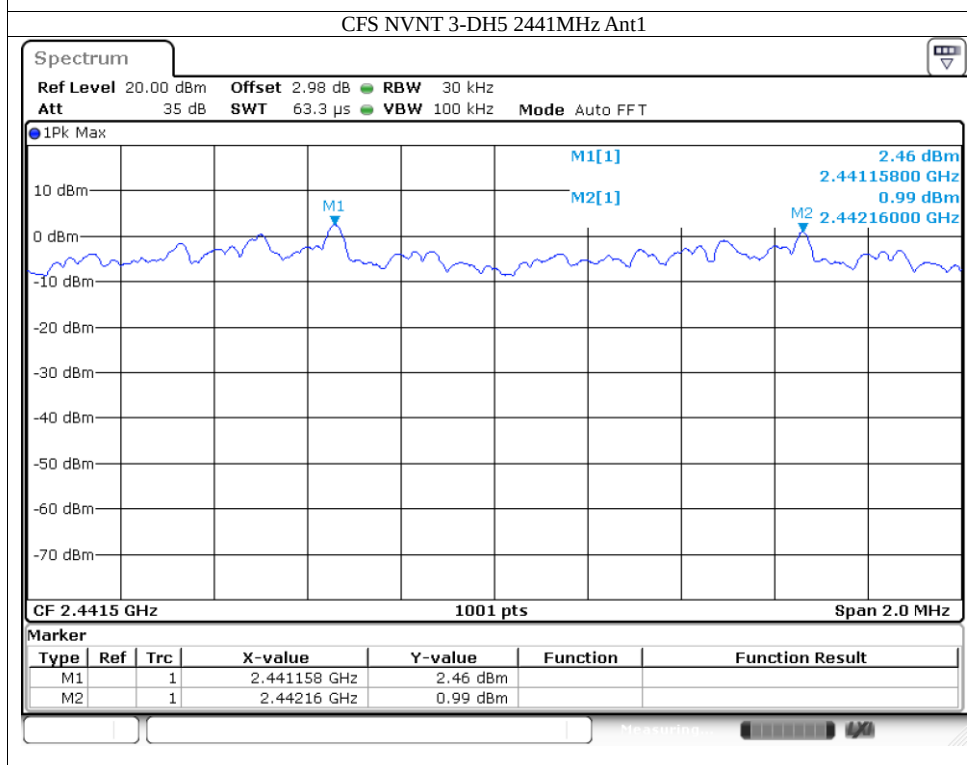
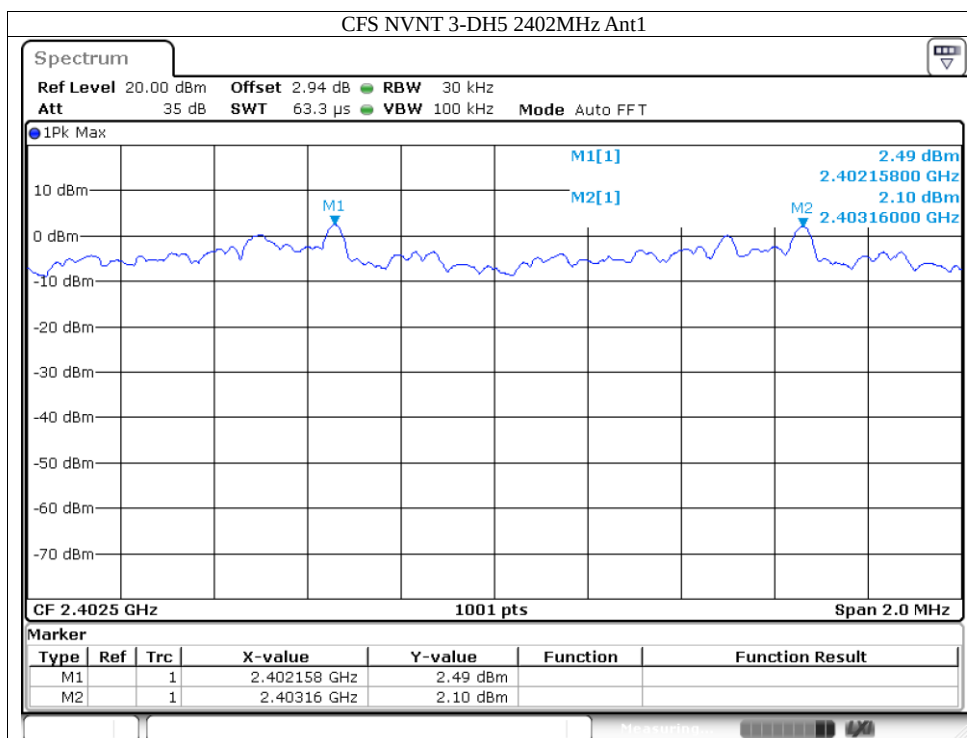
Secondary Bluetooth

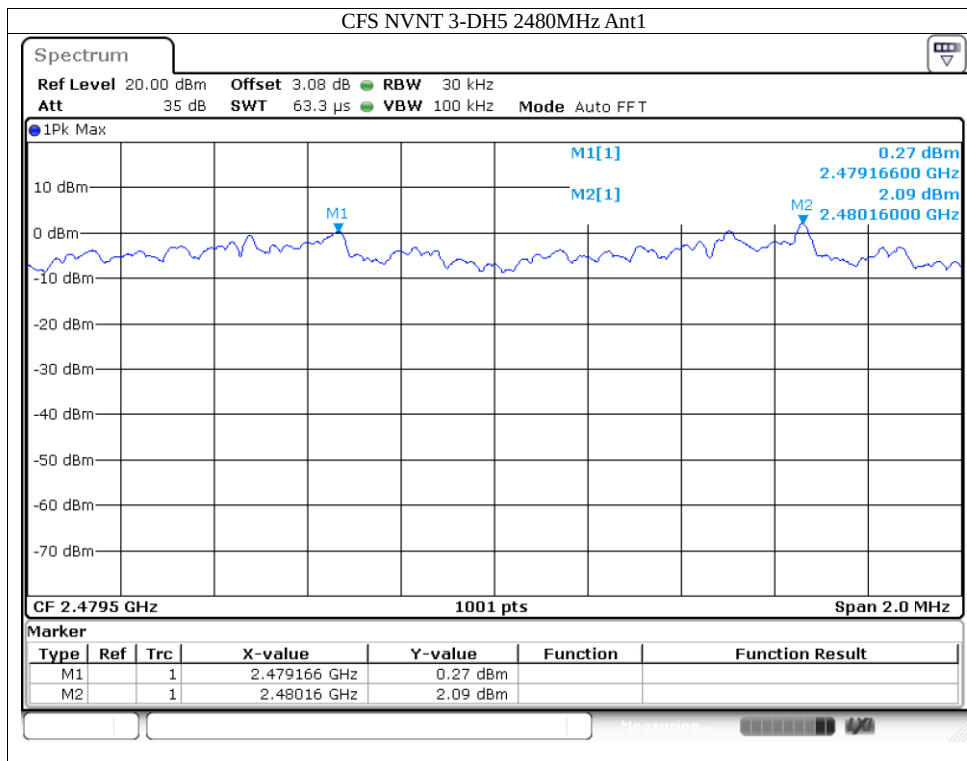
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2401.998            | 2403.05             | 1.052     | 0.635       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2441.158            | 2442.16             | 1.002     | 0.632       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2478.996            | 2480.05             | 1.054     | 0.632       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2401.998            | 2402.998            | 1         | 0.892       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2440.998            | 2441.998            | 1         | 0.892       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2479.16             | 2480.16             | 1         | 0.903       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2402.158            | 2403.16             | 1.002     | 0.885       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2441.158            | 2442.16             | 1.002     | 0.848       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2479.166            | 2480.16             | 0.994     | 0.884       | Pass    |











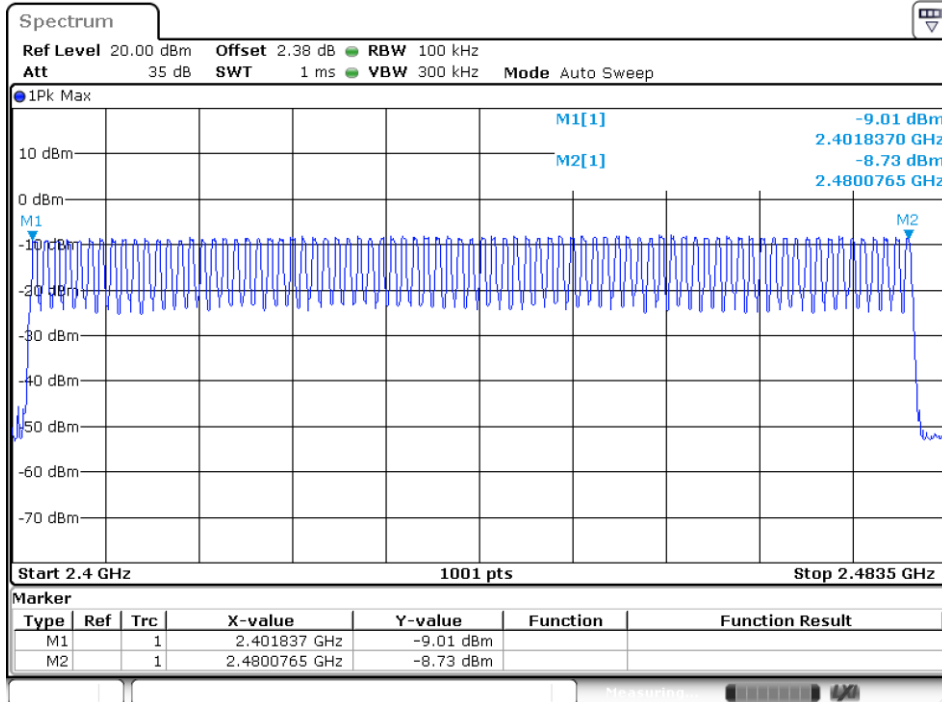
**8.6 NUMBER OF HOPPING CHANNEL**

Main Bluetooth

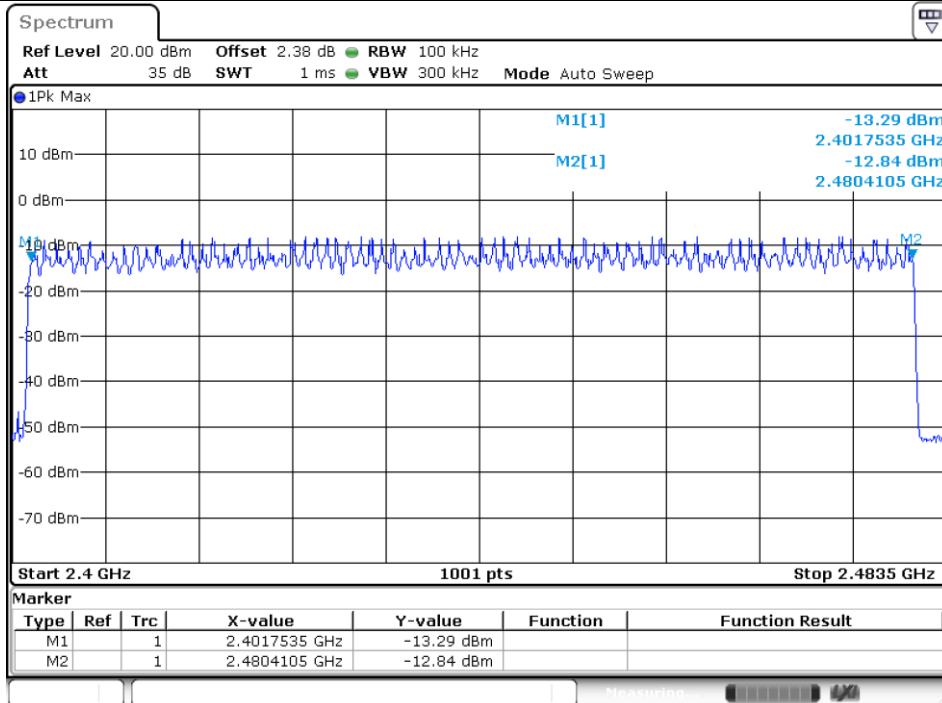
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79             | 15    | Pass    |

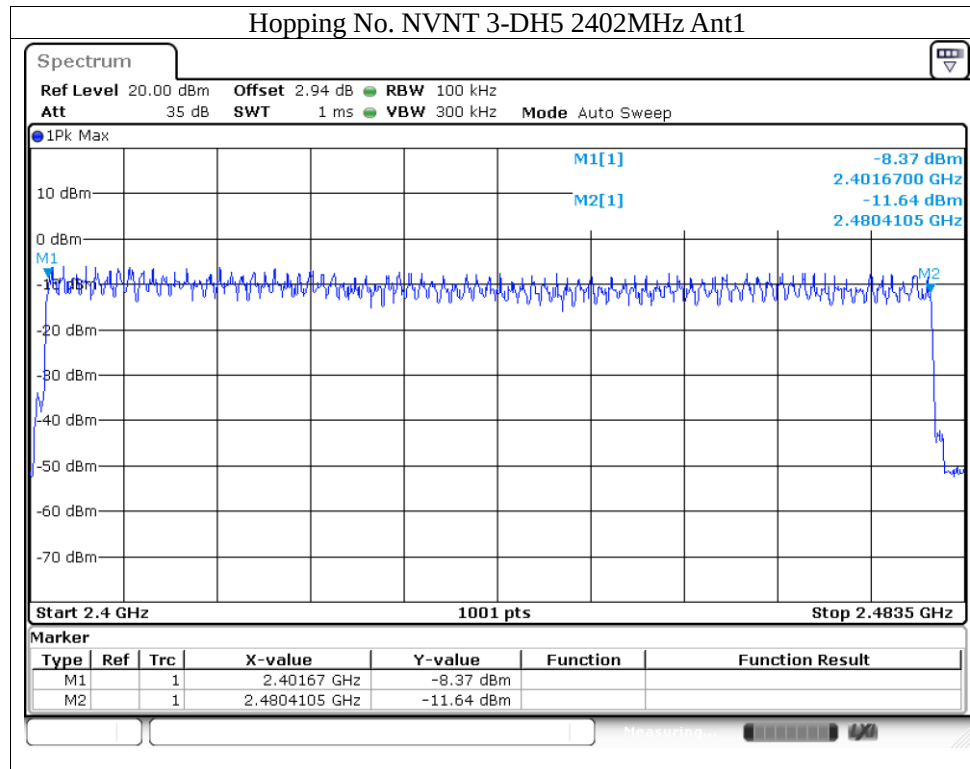
### Test Graphs

#### Hopping No. NVNT 1-DH5 2402MHz Ant1



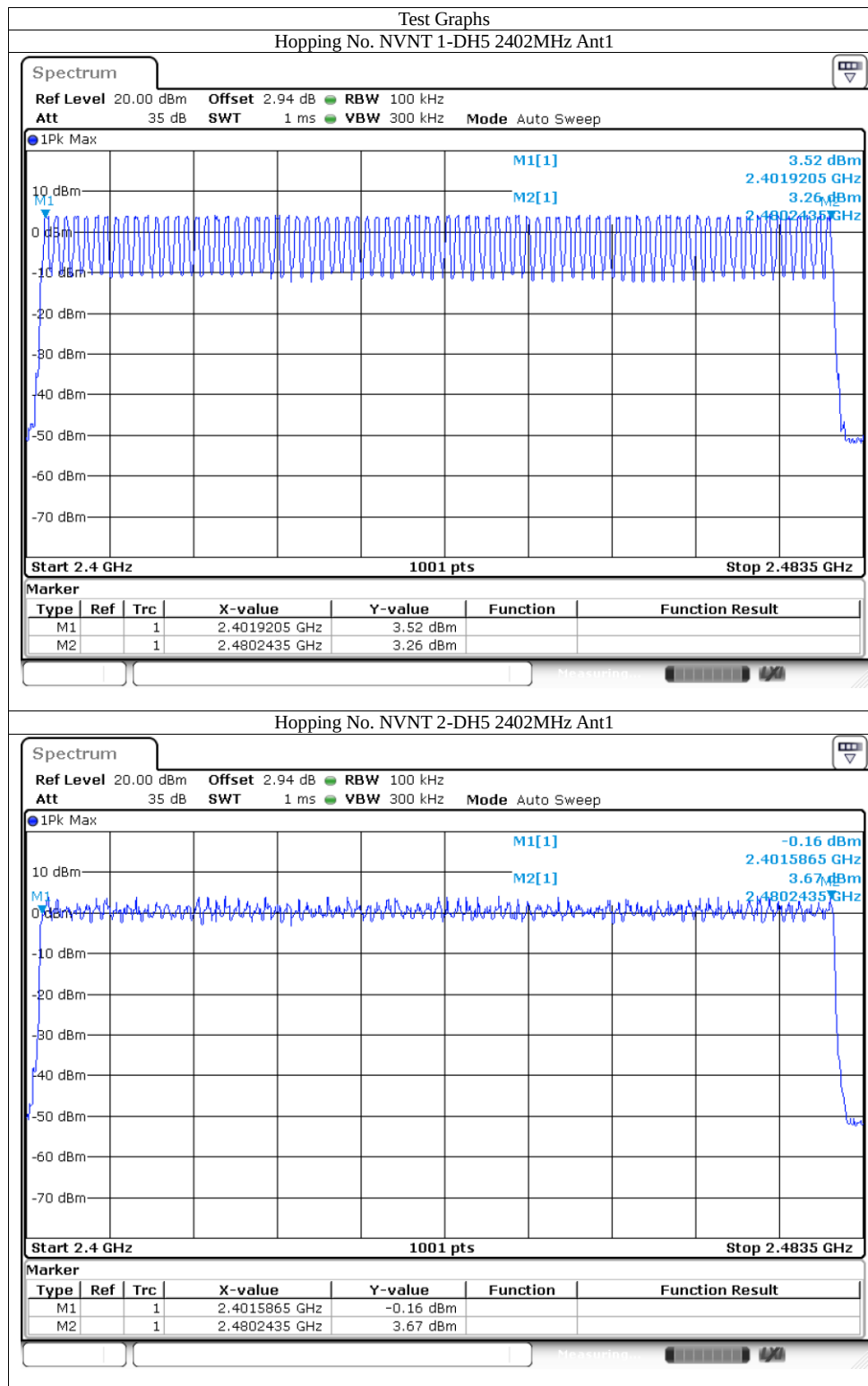
#### Hopping No. NVNT 2-DH5 2402MHz Ant1

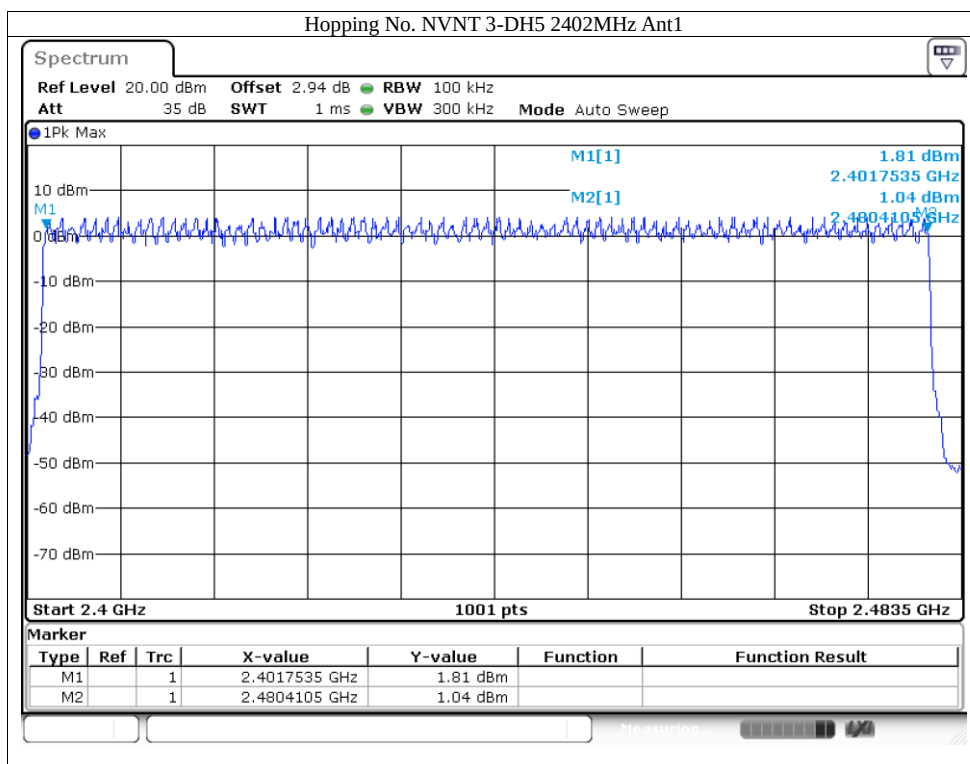




## Secondary Bluetooth

| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79             | 15    | Pass    |





**8.7 BAND EDGE**

Main Bluetooth

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -43.59          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -43.15          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -43.64          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -43.34          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -39.91          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -44.06          | -20         | Pass    |

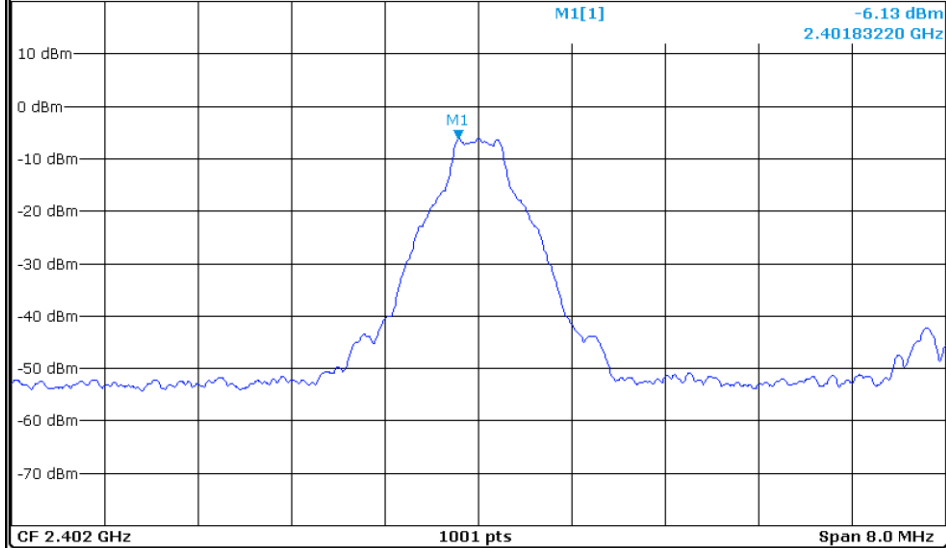
### Test Graphs

#### Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 3000/3000

1Pk Max

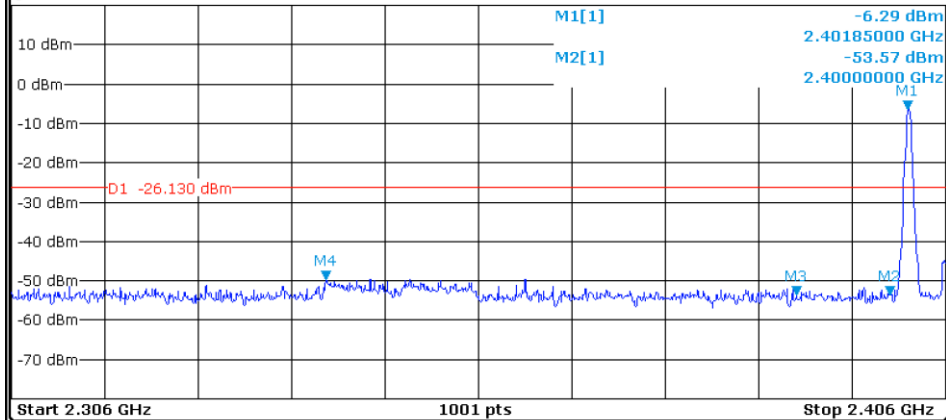


#### Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 200/200

1Pk Max



Marker

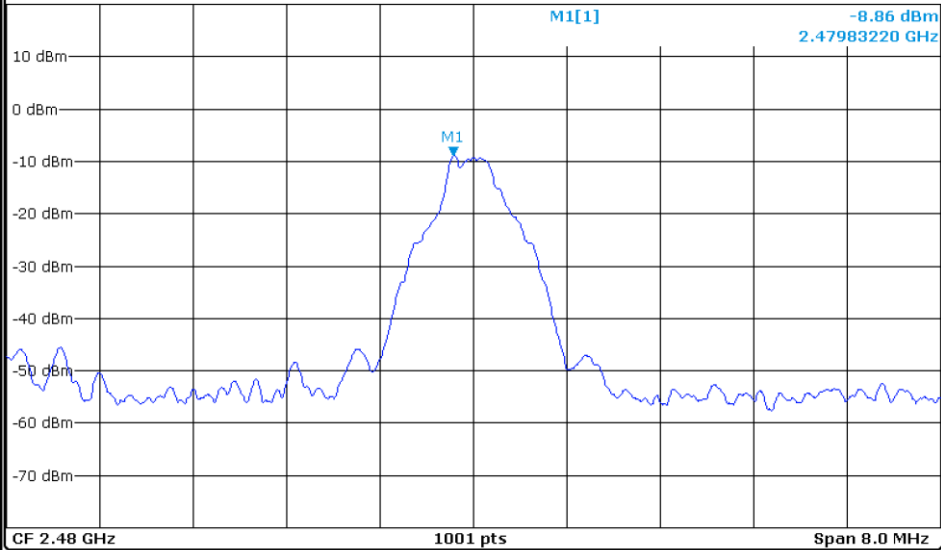
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 2.40185 GHz | -6.29 dBm  |          |                 |
| M2   | 1   |     | 2.4 GHz     | -53.57 dBm |          |                 |
| M3   | 1   |     | 2.39 GHz    | -53.61 dBm |          |                 |
| M4   | 1   |     | 2.3397 GHz  | -49.73 dBm |          |                 |

### Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

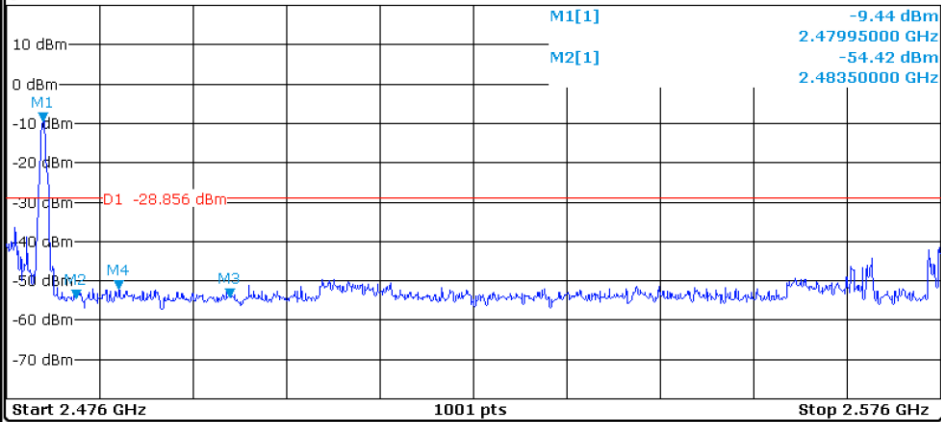


### Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max



Marker

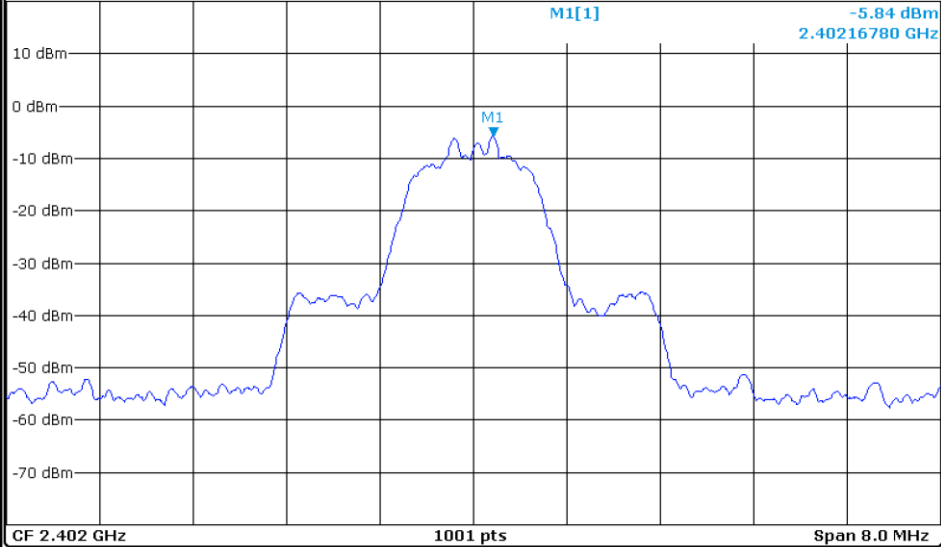
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 2.47995 GHz | -9.44 dBm  |          |                 |
| M2   | 1   |     | 2.4835 GHz  | -54.42 dBm |          |                 |
| M3   | 1   |     | 2.5 GHz     | -54.10 dBm |          |                 |
| M4   | 1   |     | 2.488 GHz   | -52.01 dBm |          |                 |

### Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

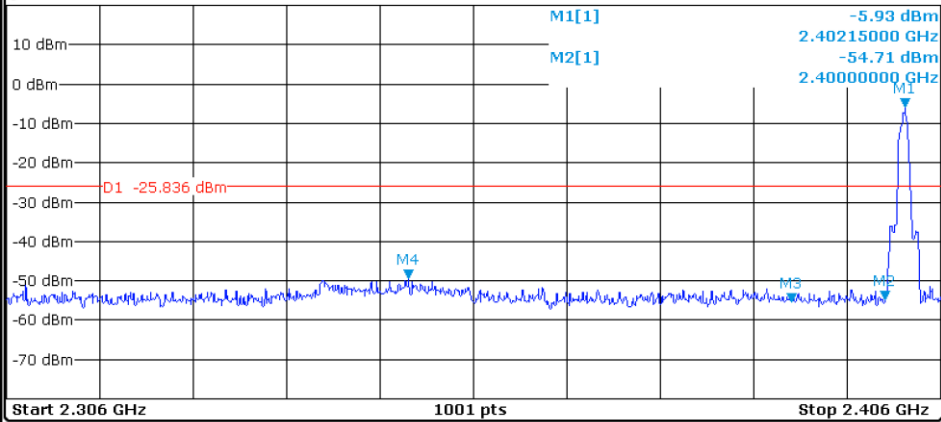


### Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

Spectrum

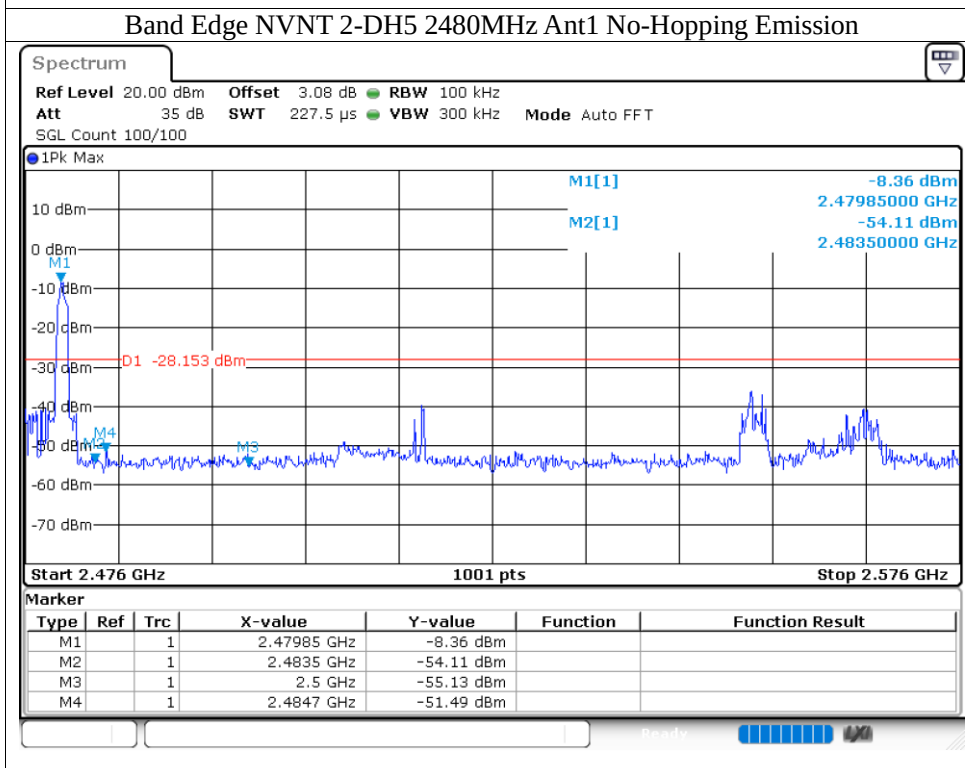
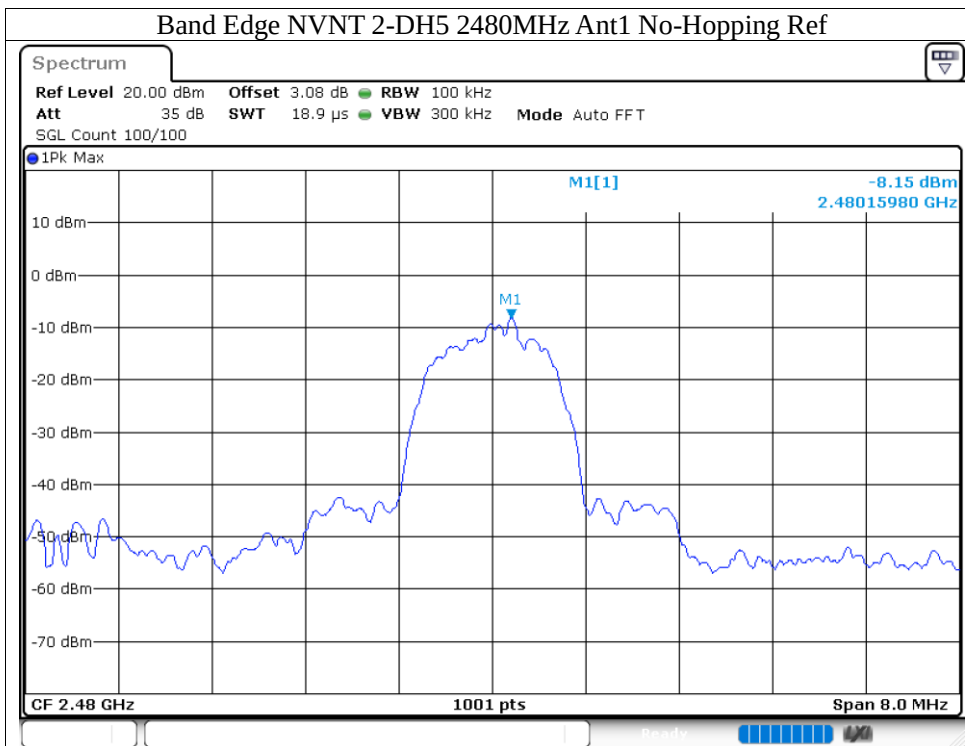
Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max



Marker

| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 2.40215 GHz | -5.93 dBm  |          |                 |
| M2   | 1   |     | 2.4 GHz     | -54.71 dBm |          |                 |
| M3   | 1   |     | 2.39 GHz    | -55.30 dBm |          |                 |
| M4   | 1   |     | 2.3491 GHz  | -49.48 dBm |          |                 |

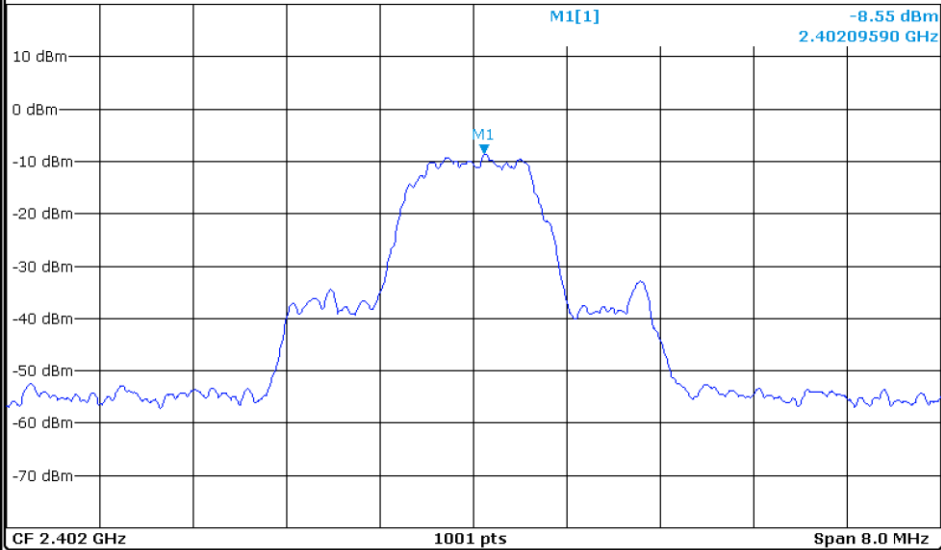


### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

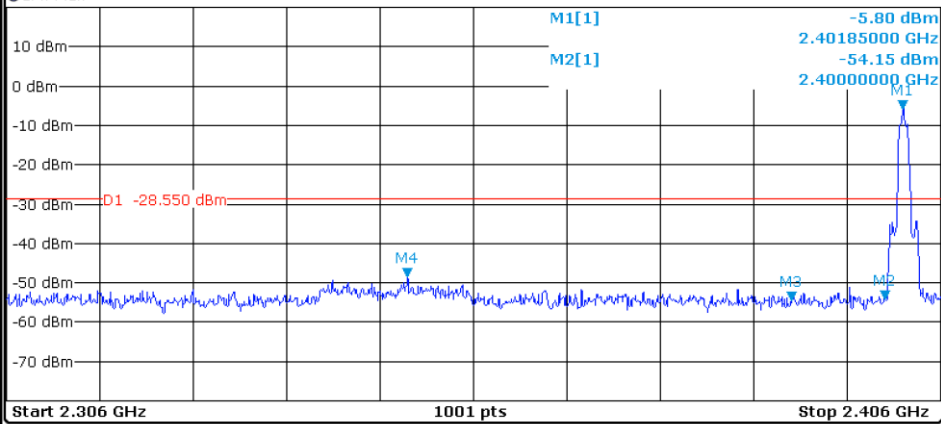


### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max



Marker

| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 2.40185 GHz | -5.80 dBm  |          |                 |
| M2   | 1   |     | 2.4 GHz     | -54.15 dBm |          |                 |
| M3   | 1   |     | 2.39 GHz    | -54.43 dBm |          |                 |
| M4   | 1   |     | 2.3489 GHz  | -48.47 dBm |          |                 |